

MTJ (MAGNETIC TUNNEL JUNCTION) ELEMENT

FIG. 1 PRIOR ART

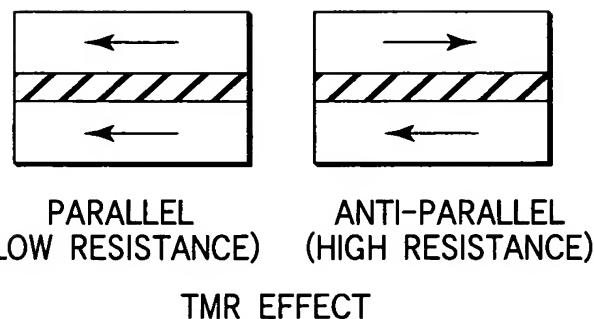
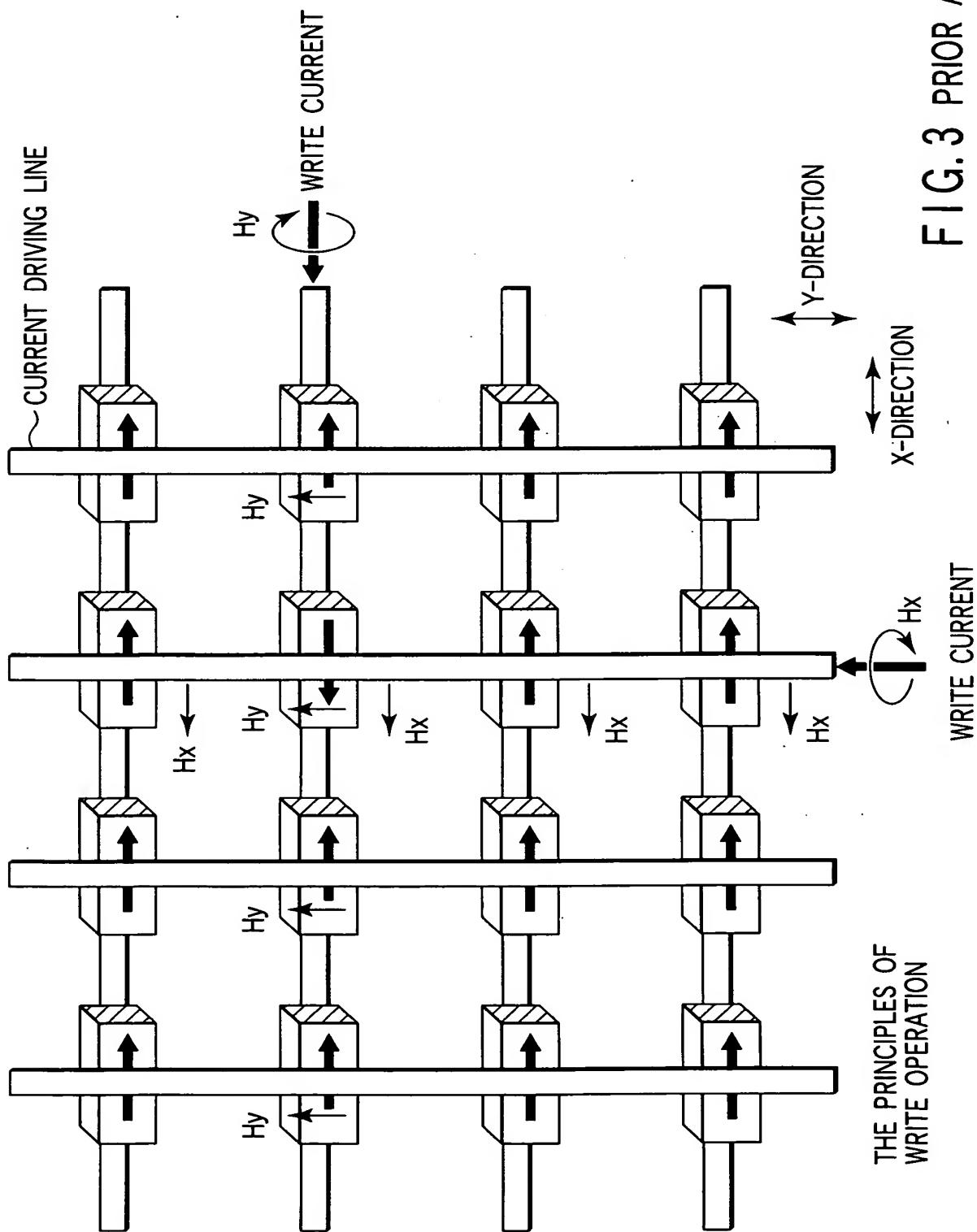


FIG. 2 PRIOR ART



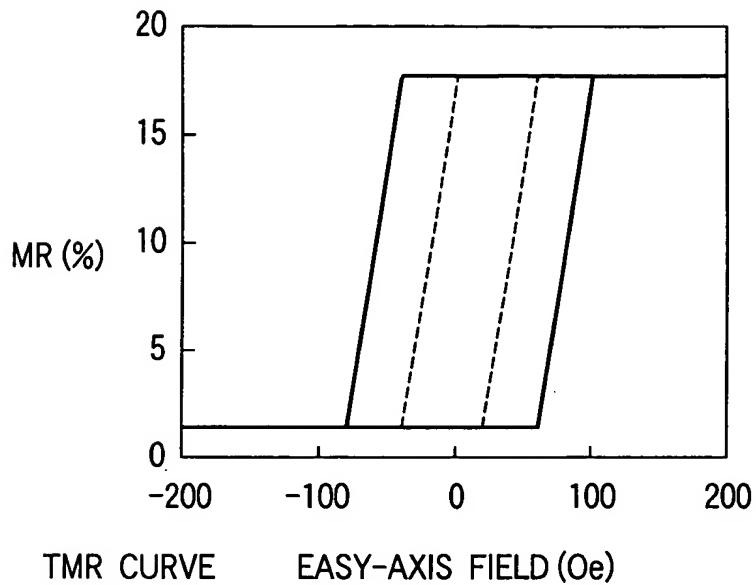
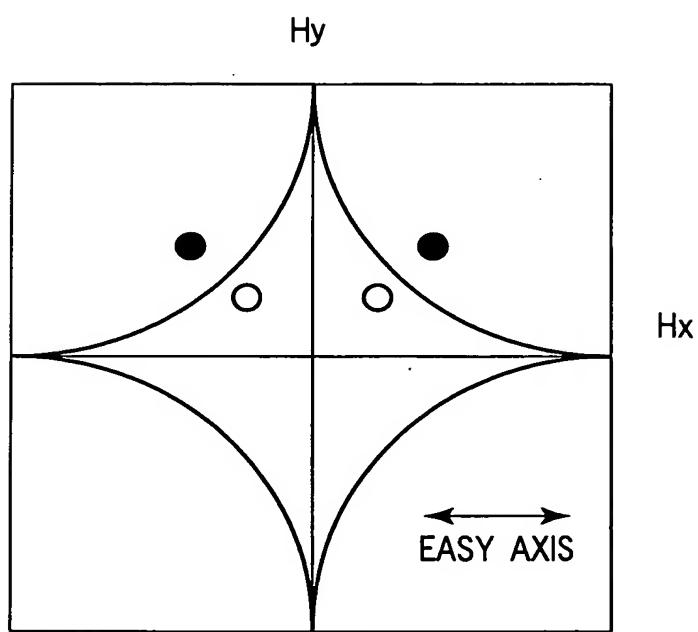


FIG. 4 PRIOR ART



ASTROID CURVE

FIG. 5 PRIOR ART

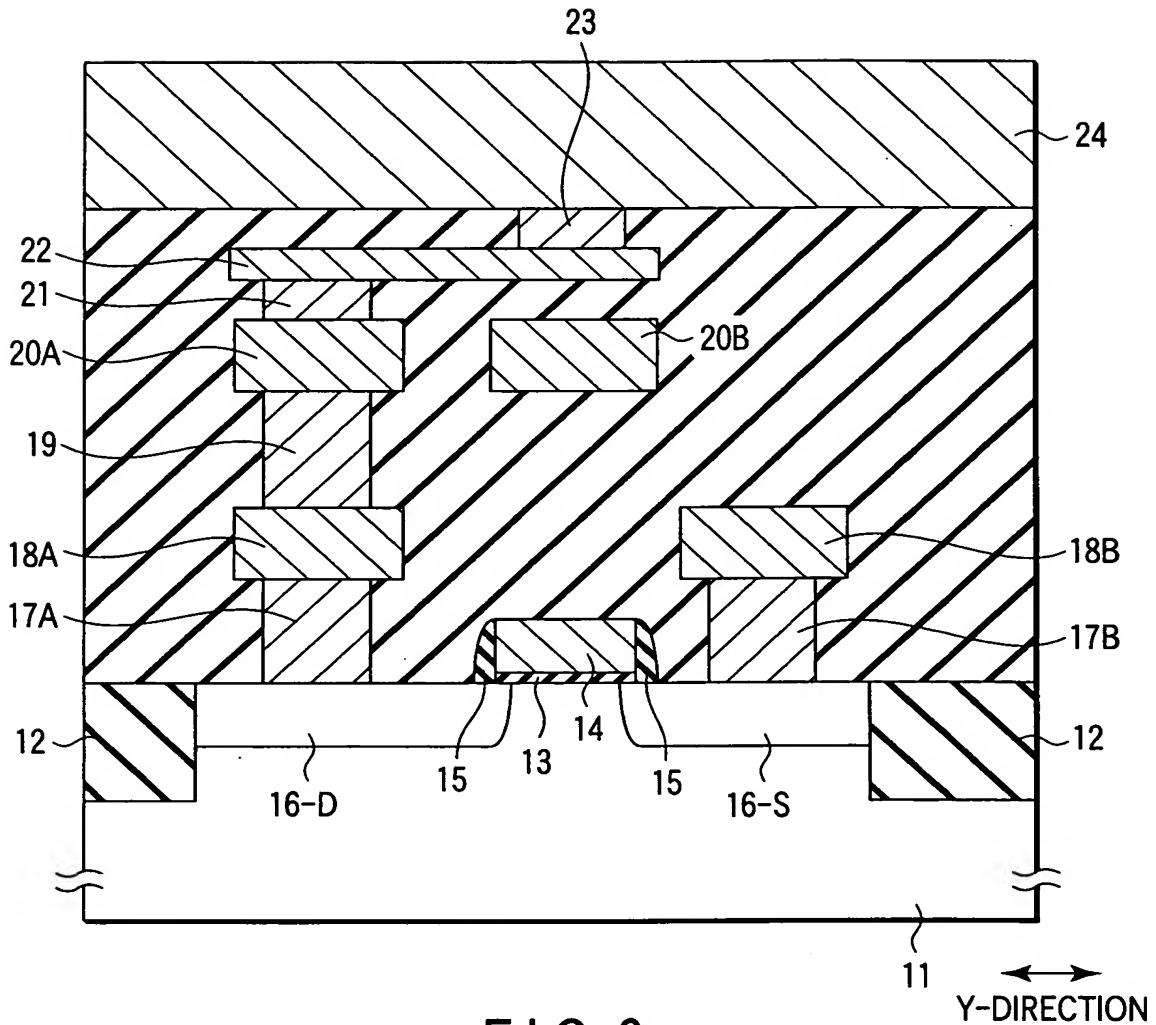


FIG. 6

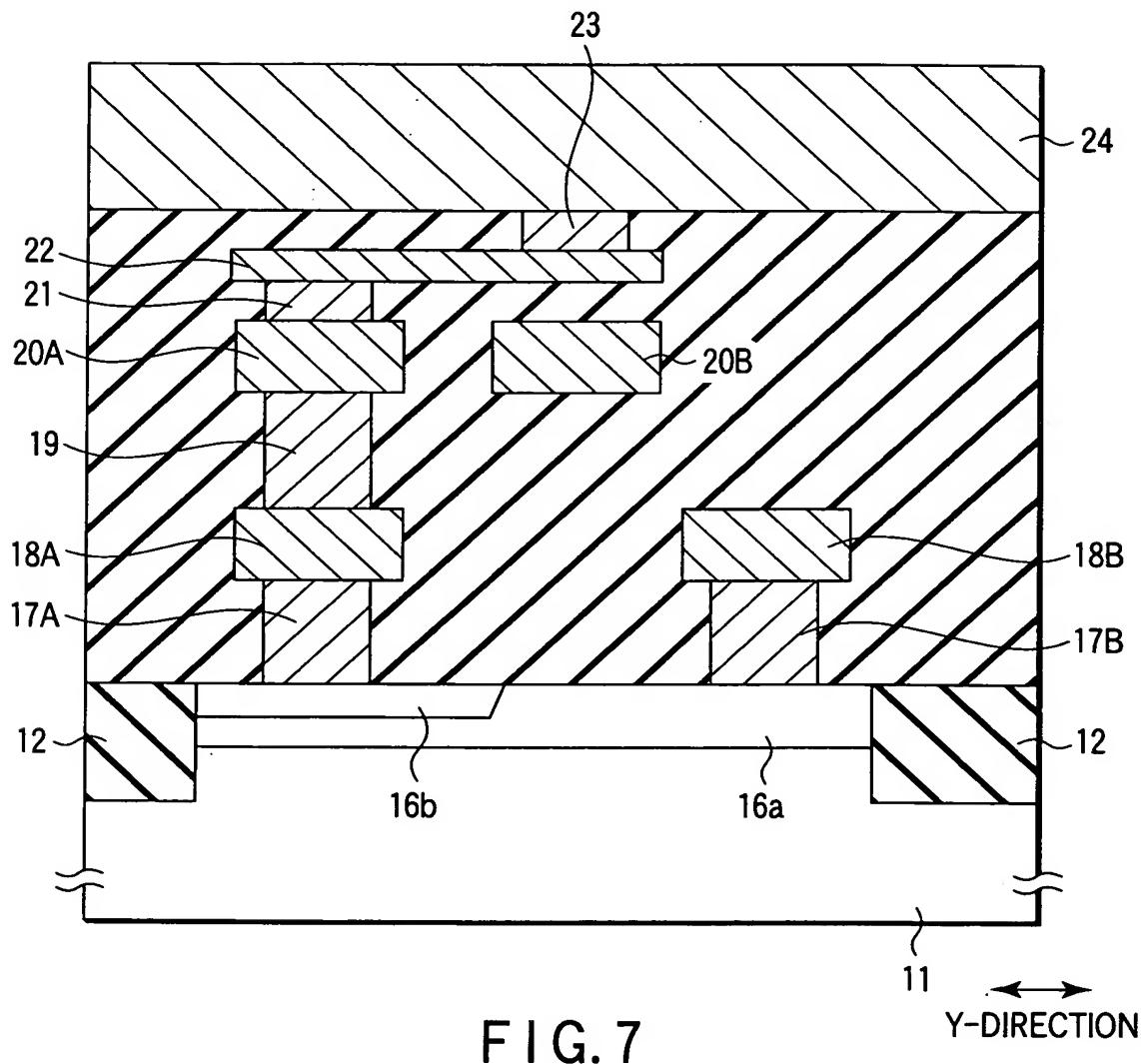


FIG. 7

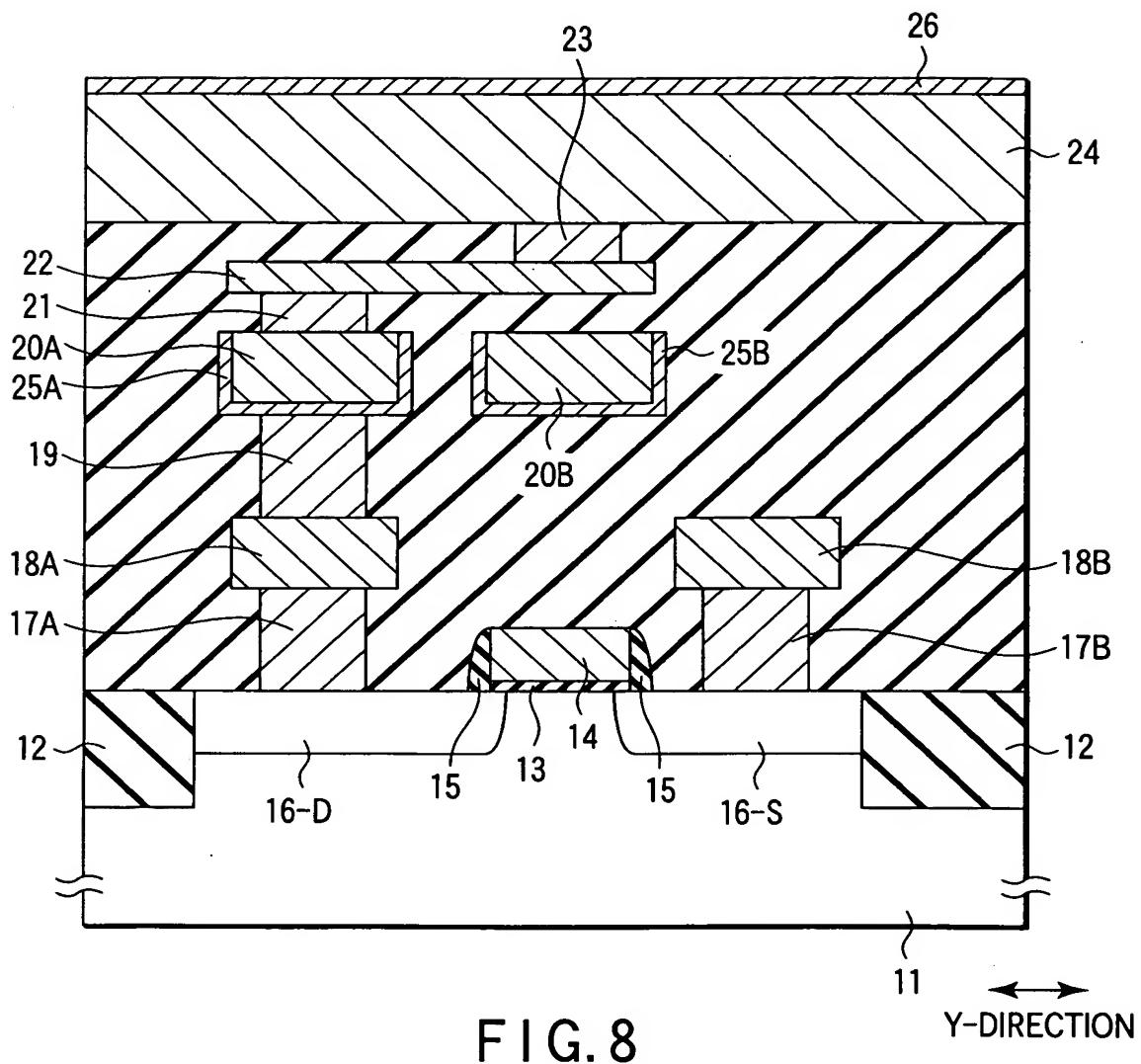


FIG. 8

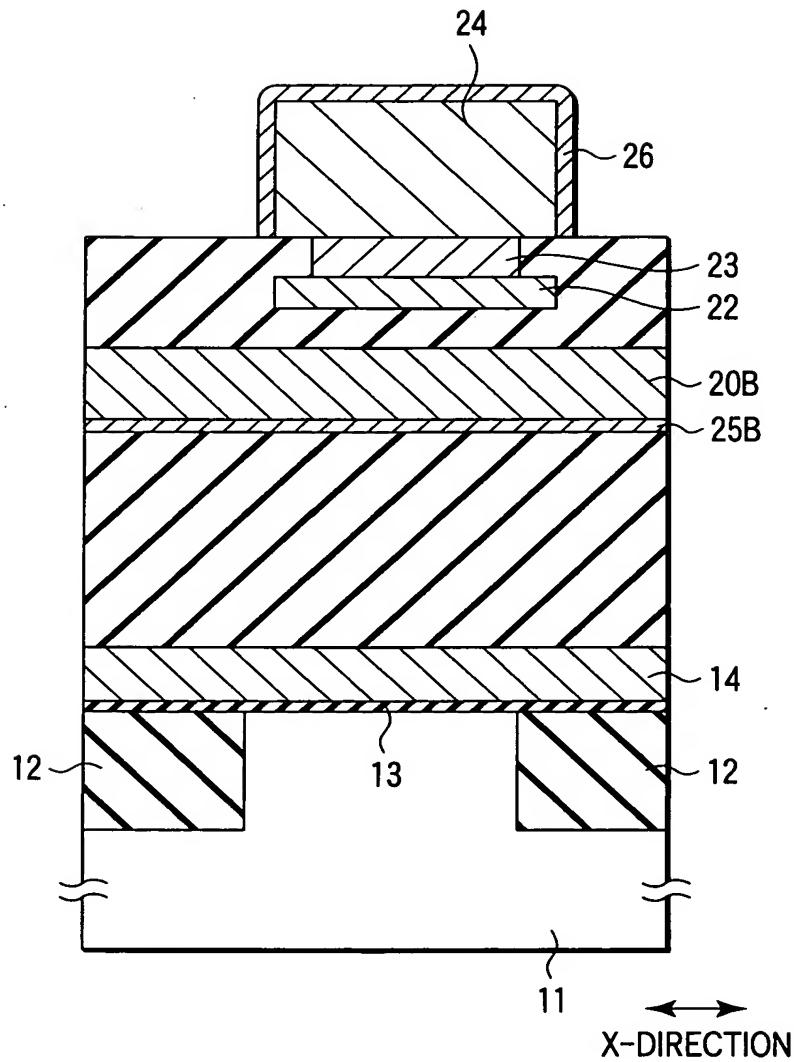


FIG. 9

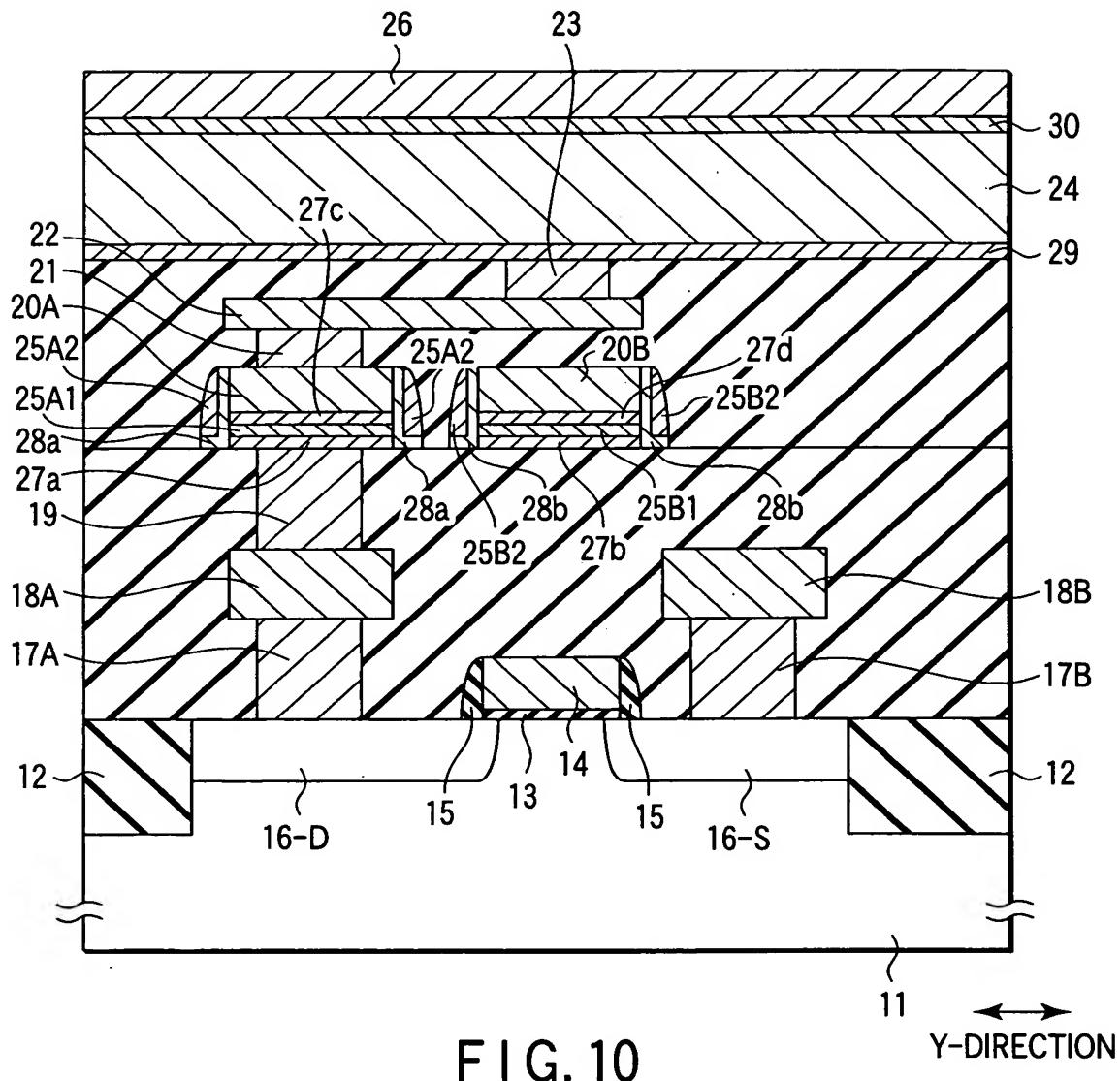


FIG. 10

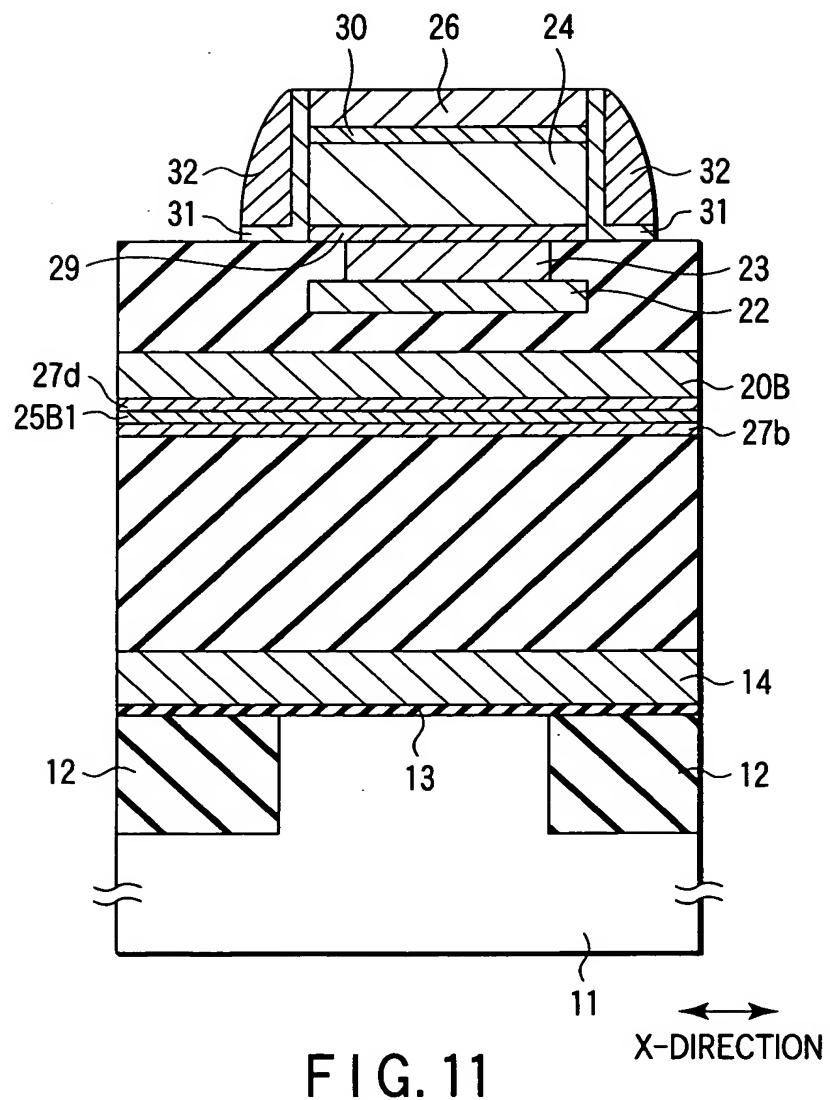
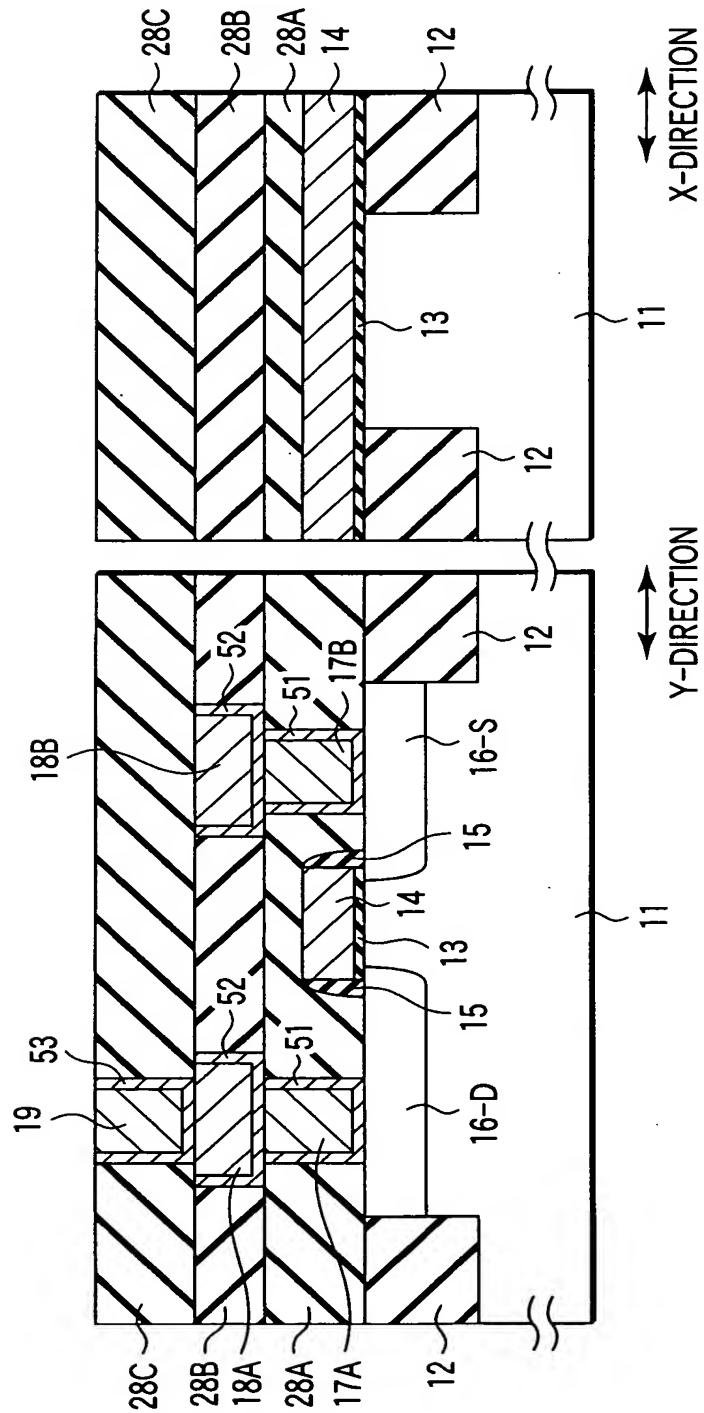


FIG. 11



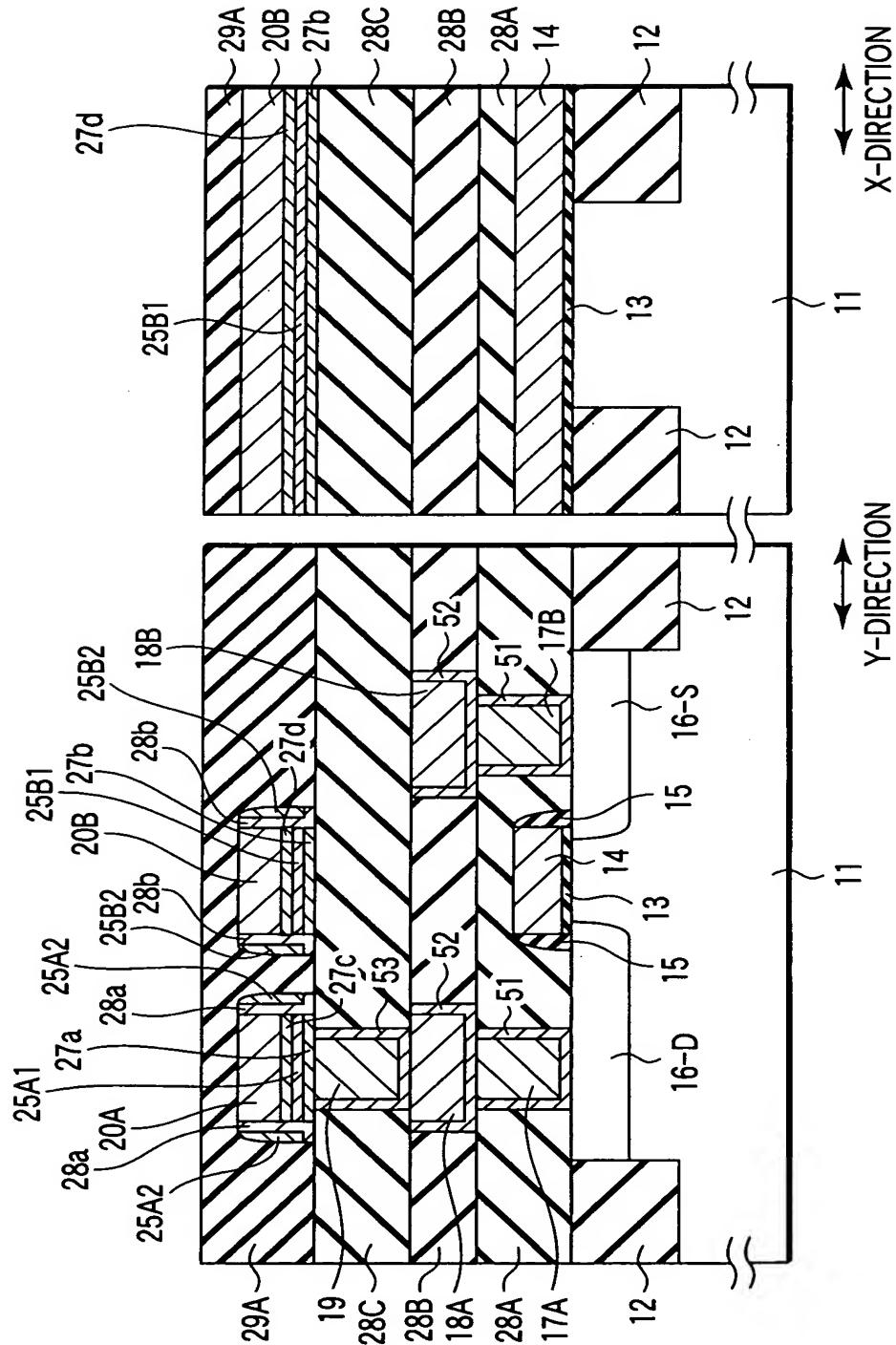


FIG. 13

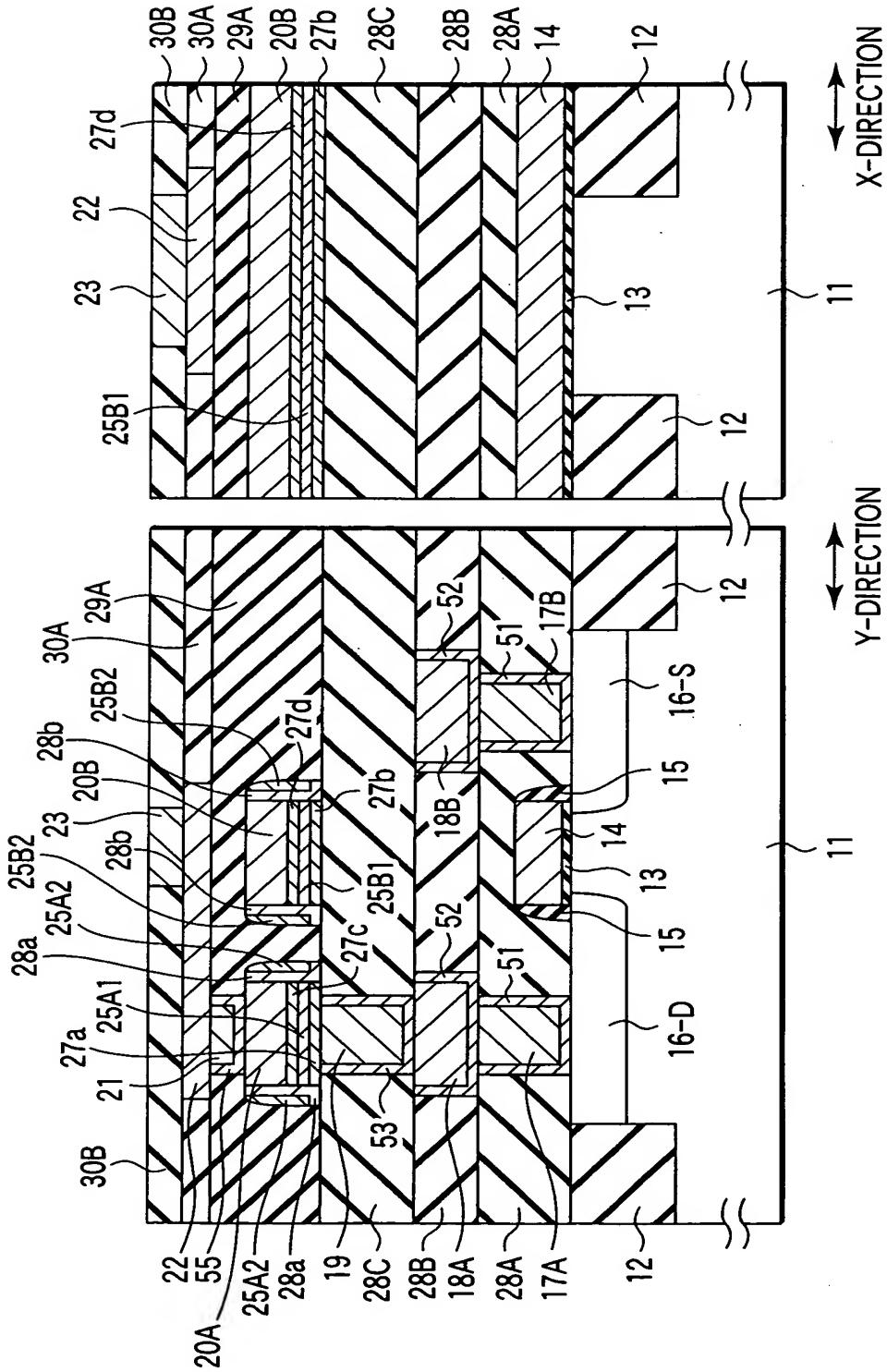


FIG. 14

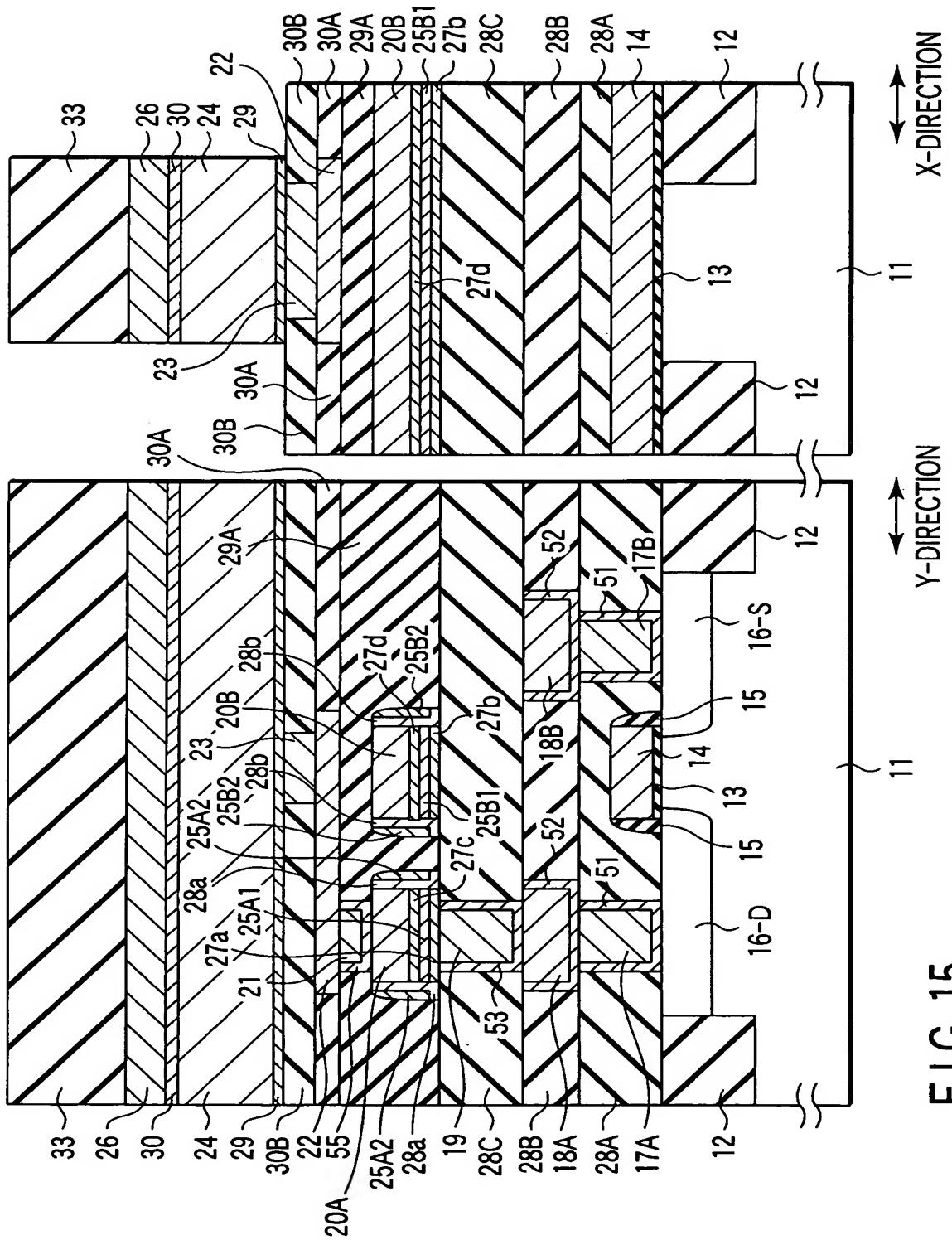


FIG. 15

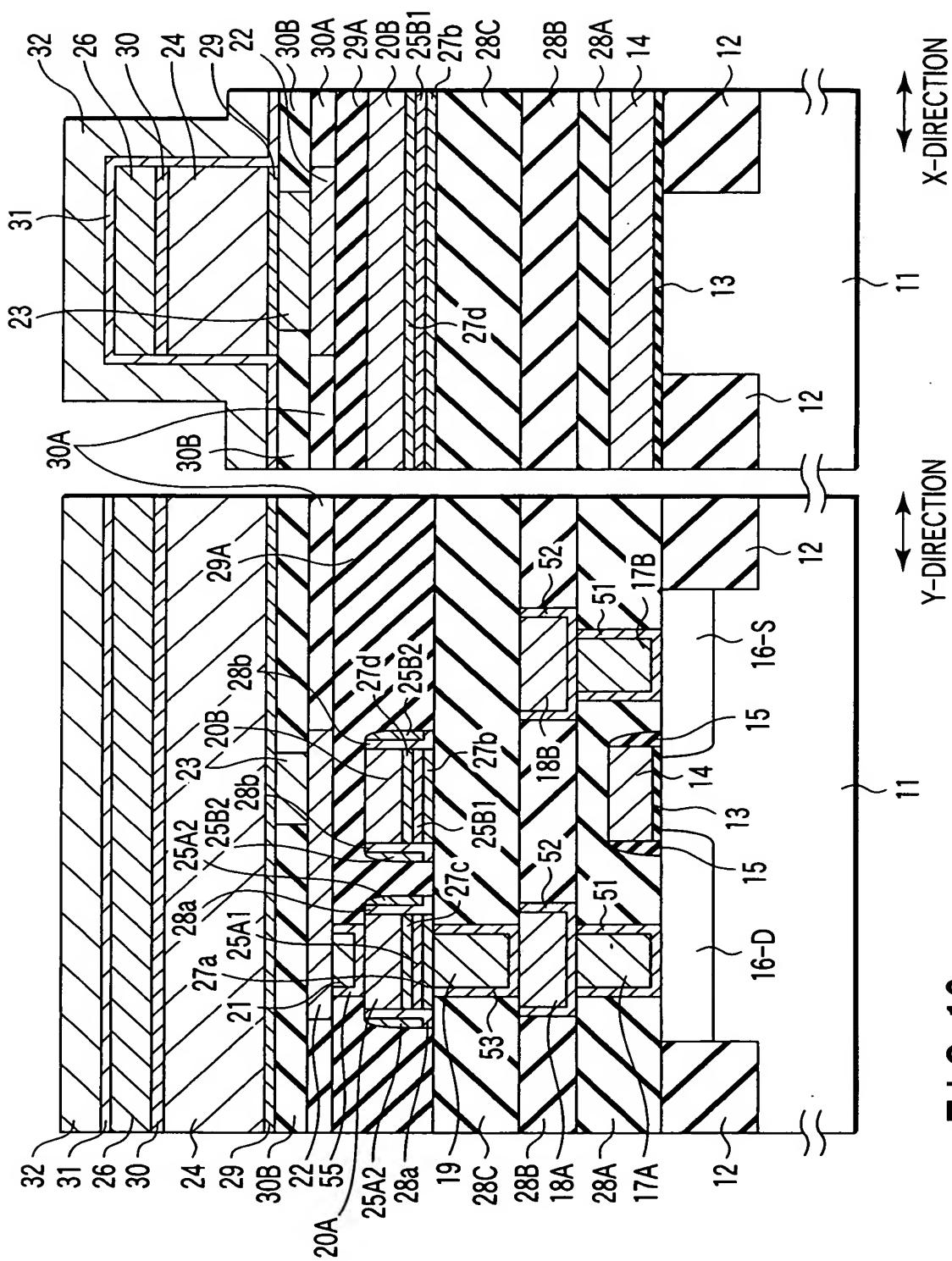


FIG. 16

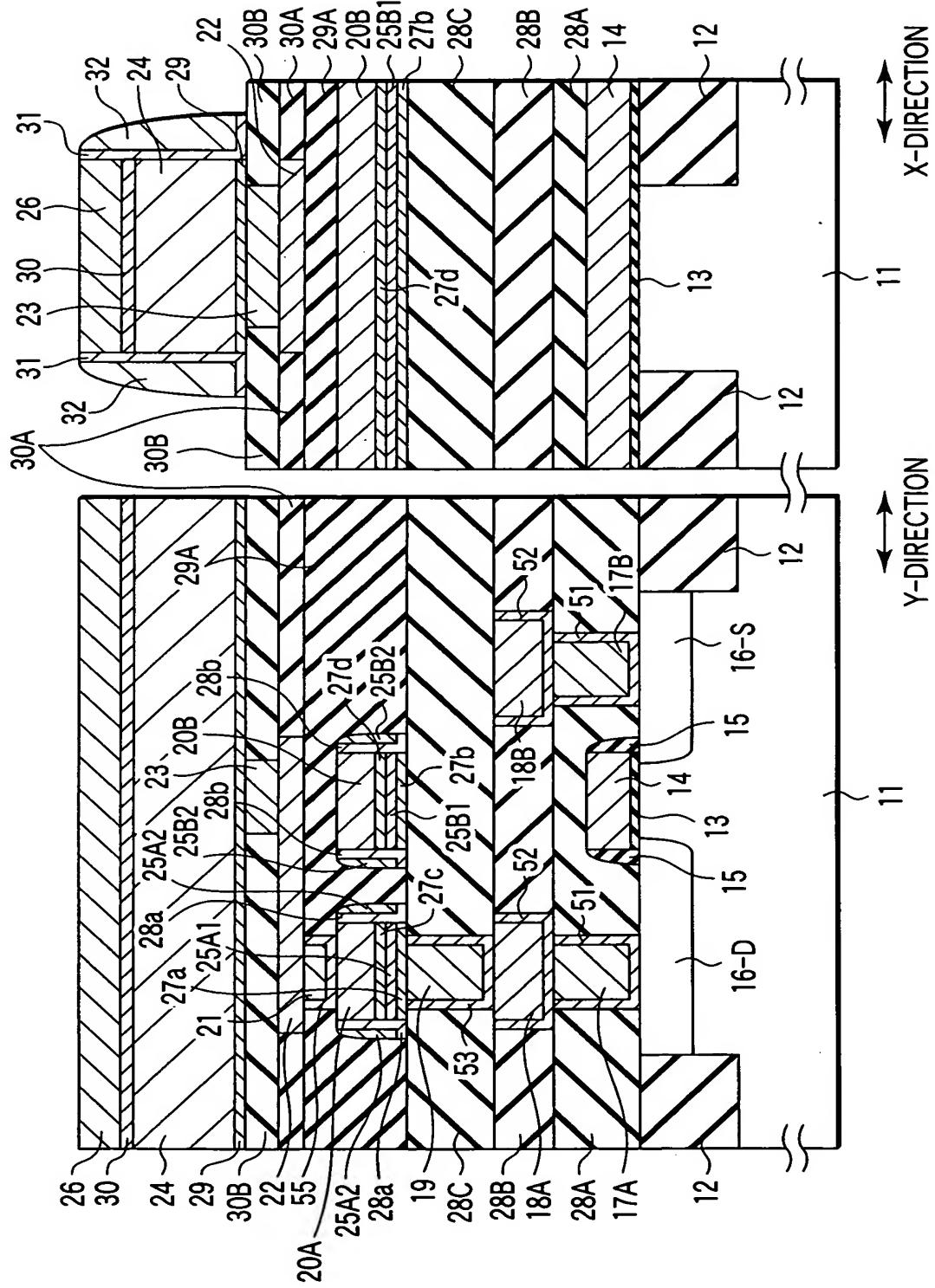


FIG. 17

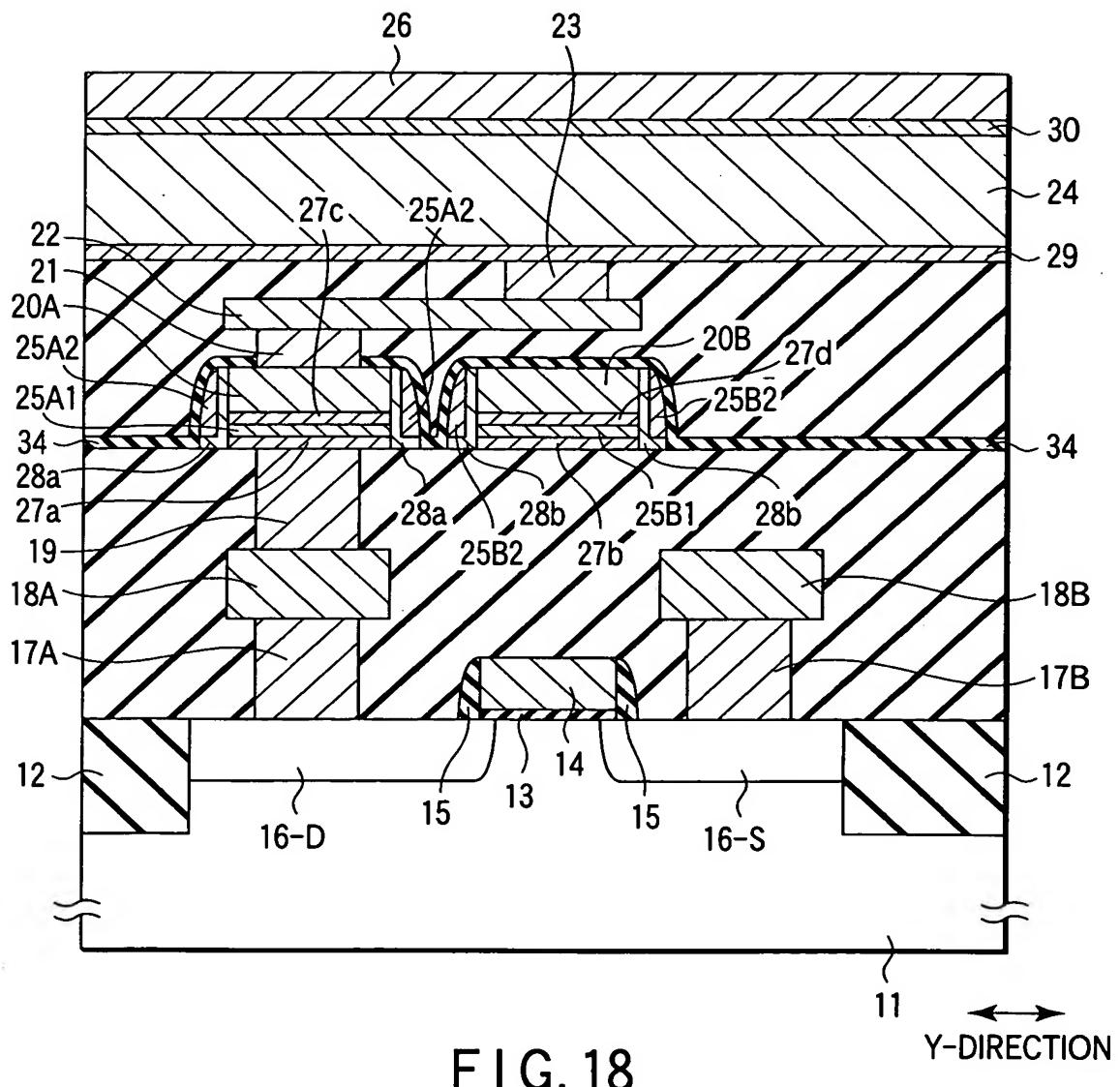


FIG. 18

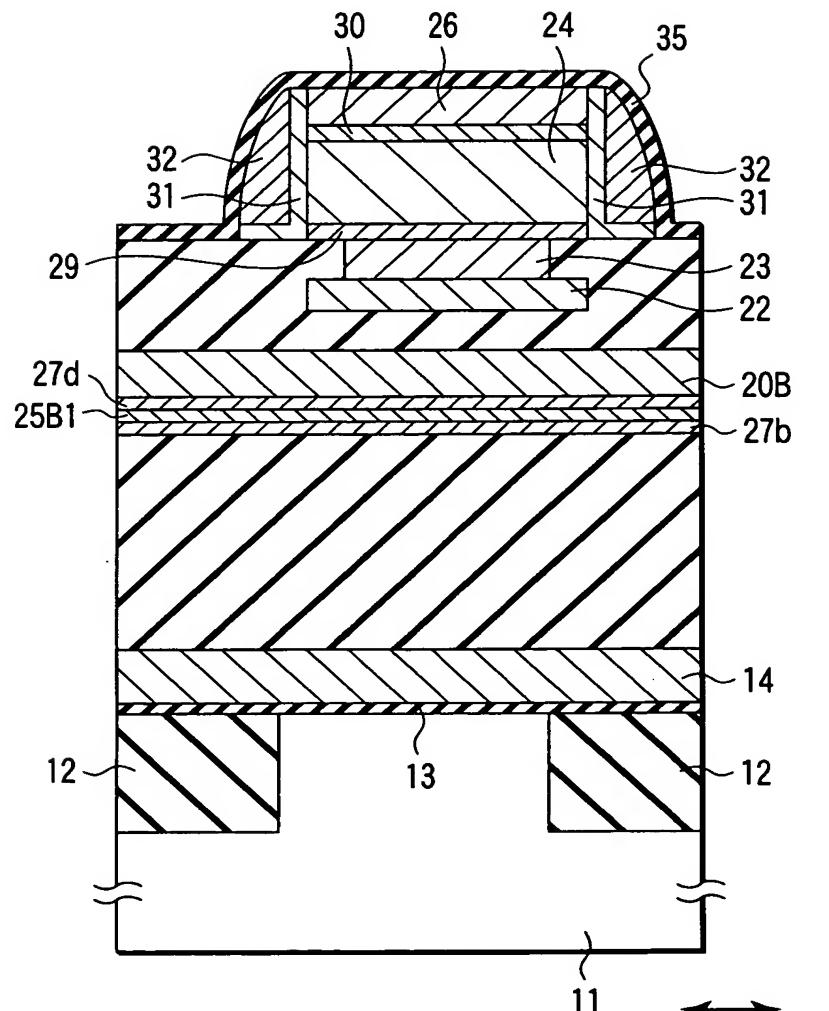


FIG. 19

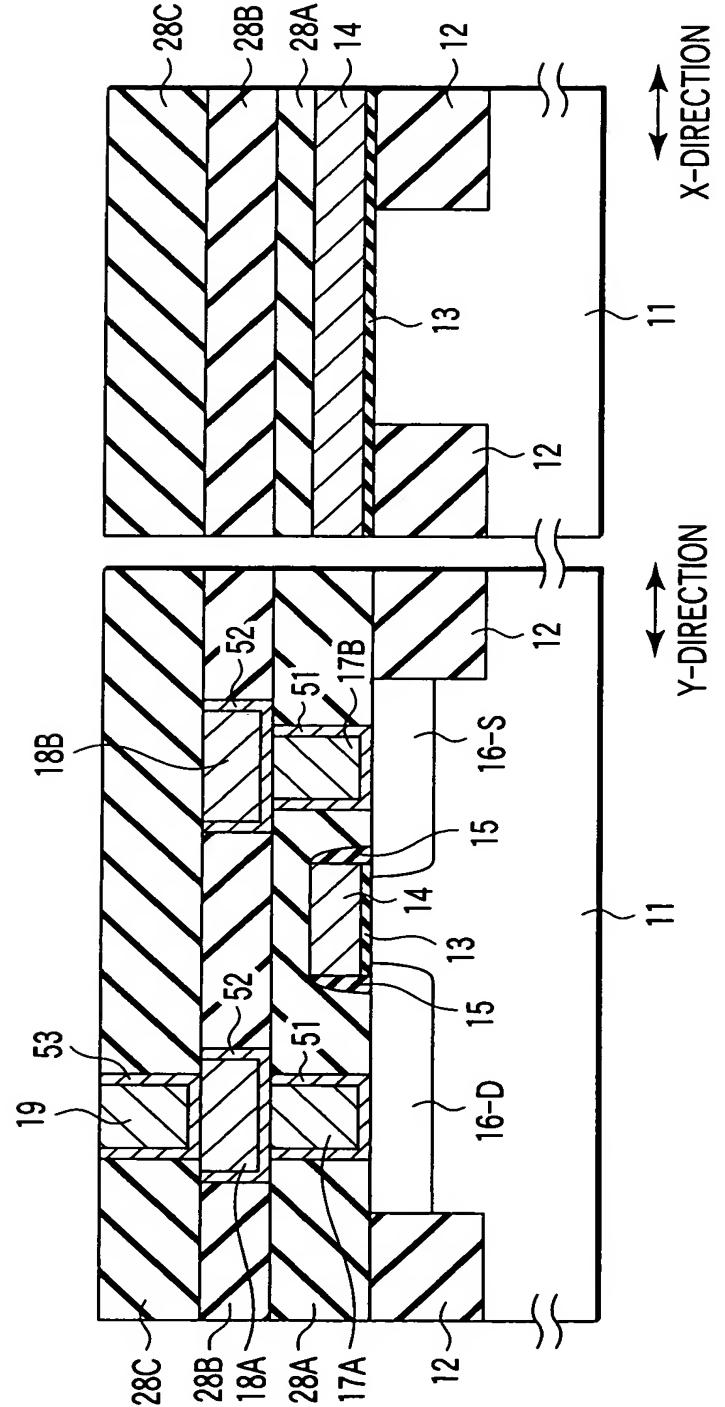


FIG. 20

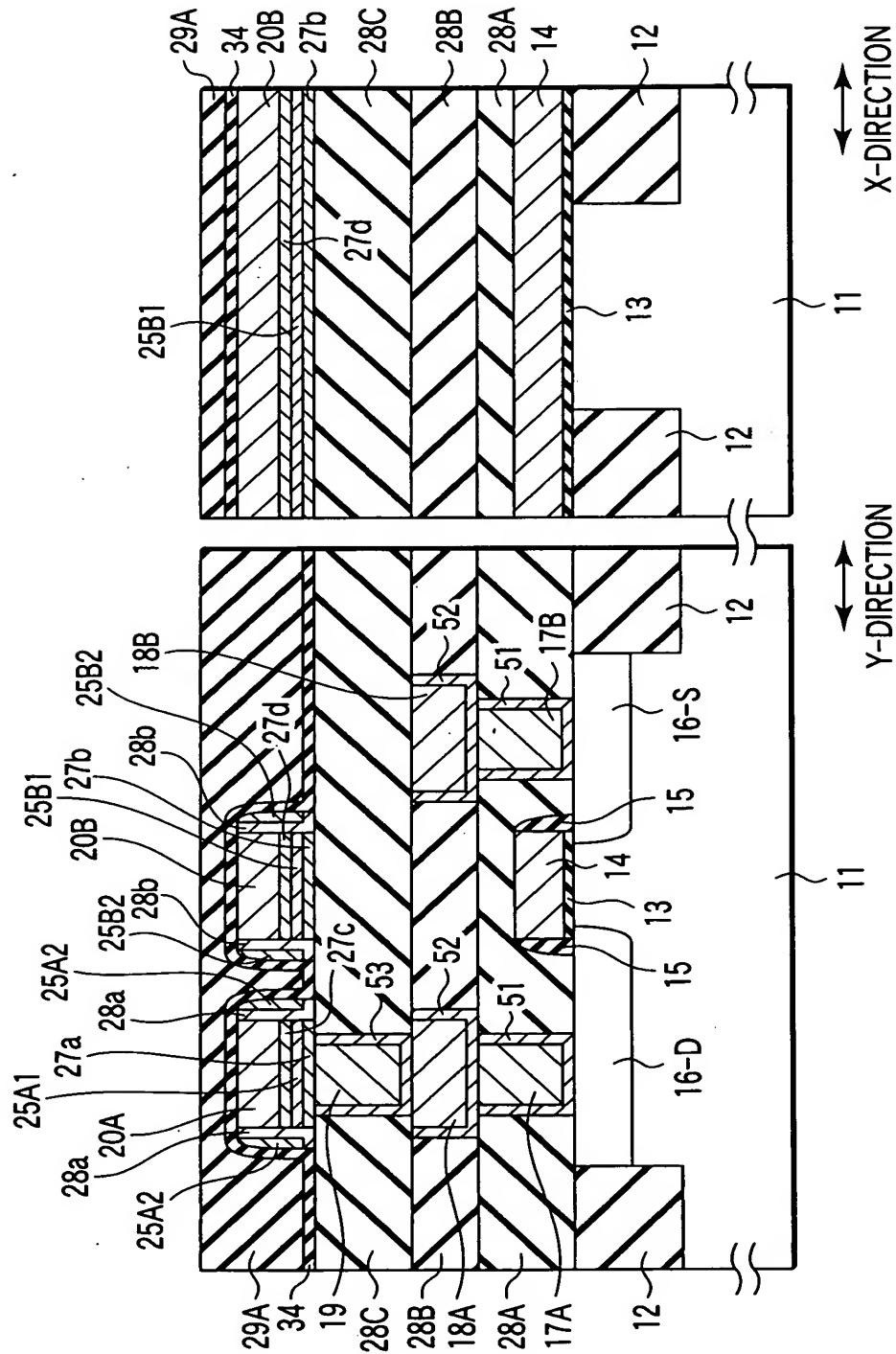


FIG. 21

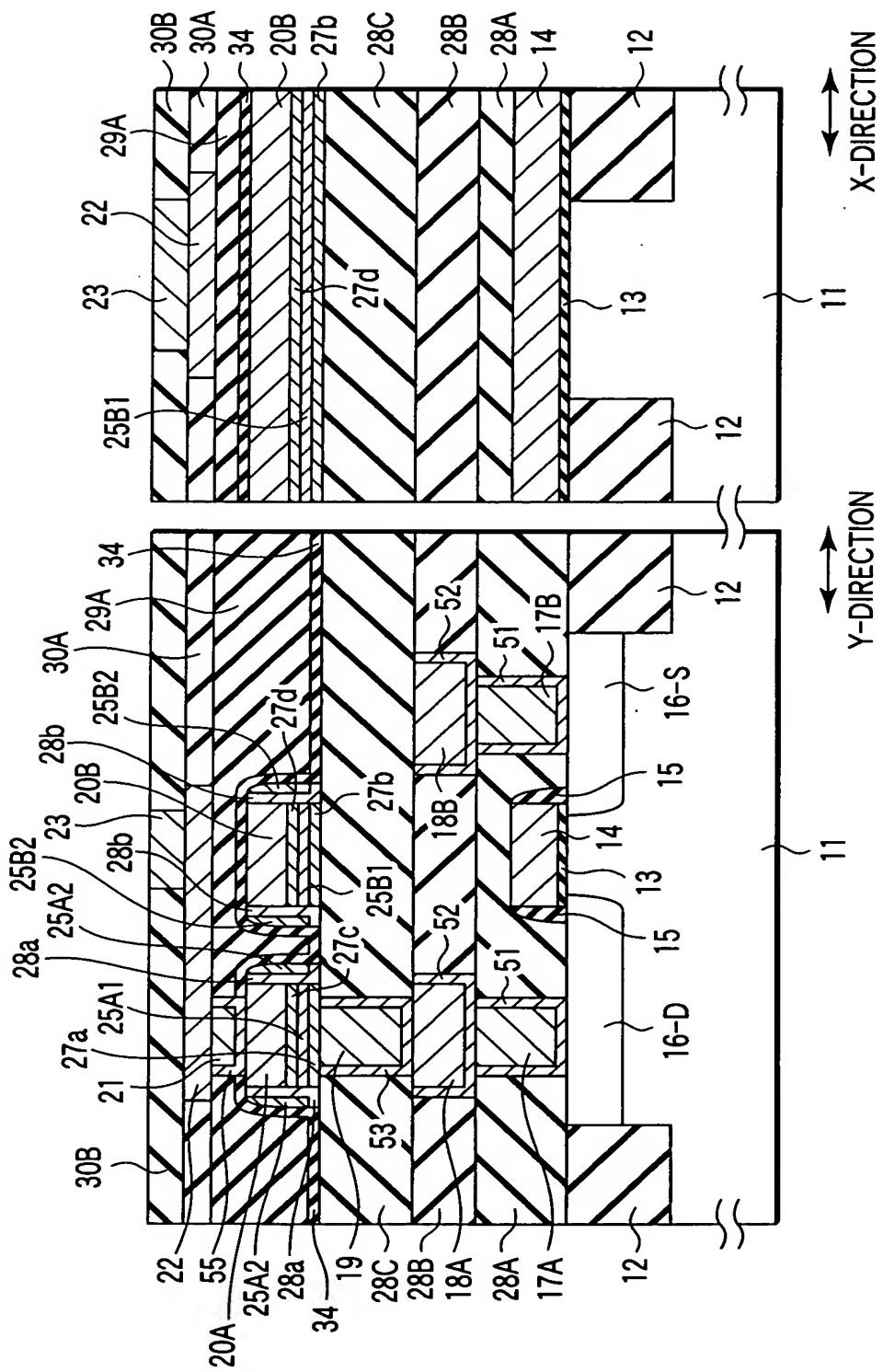
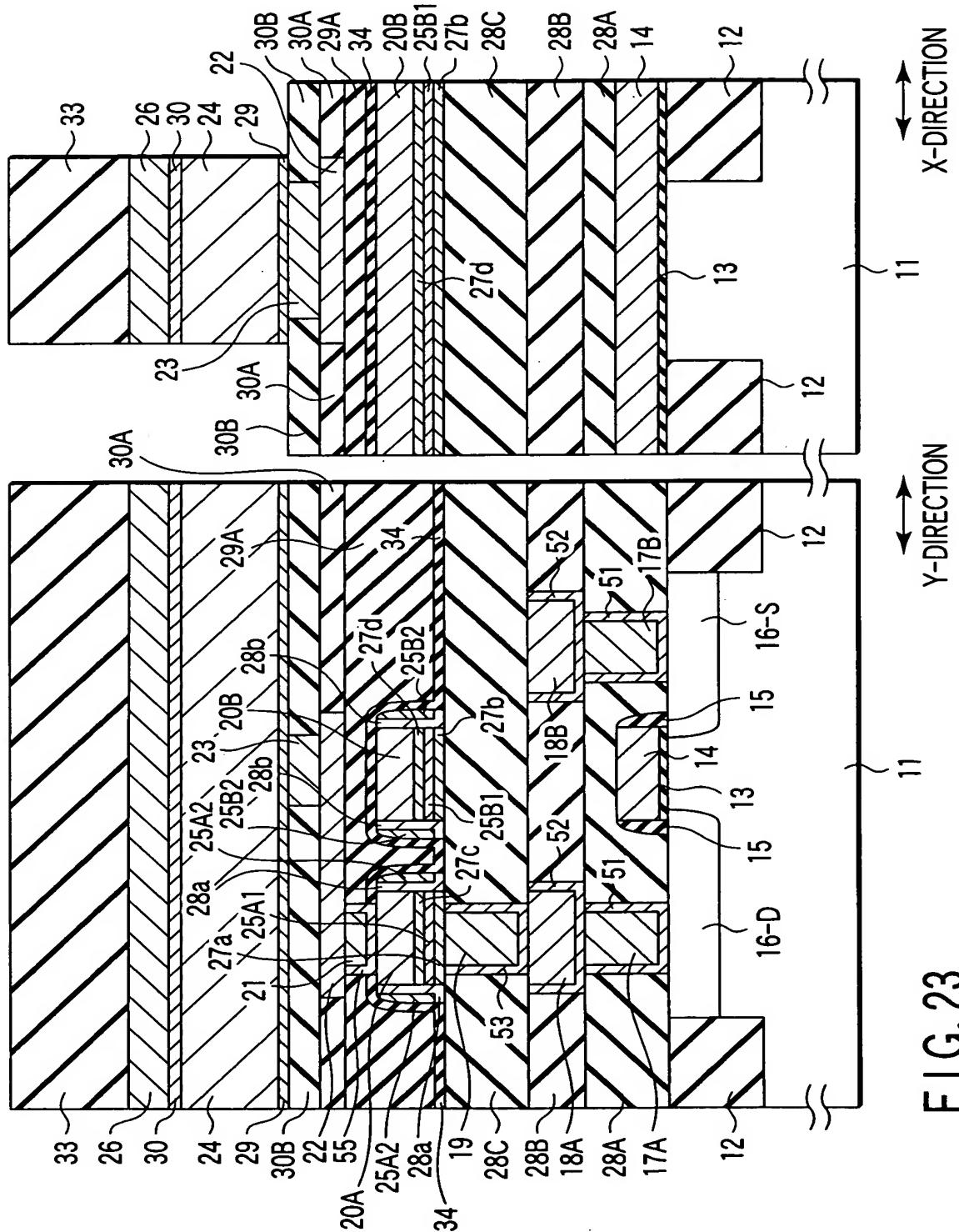


FIG. 22



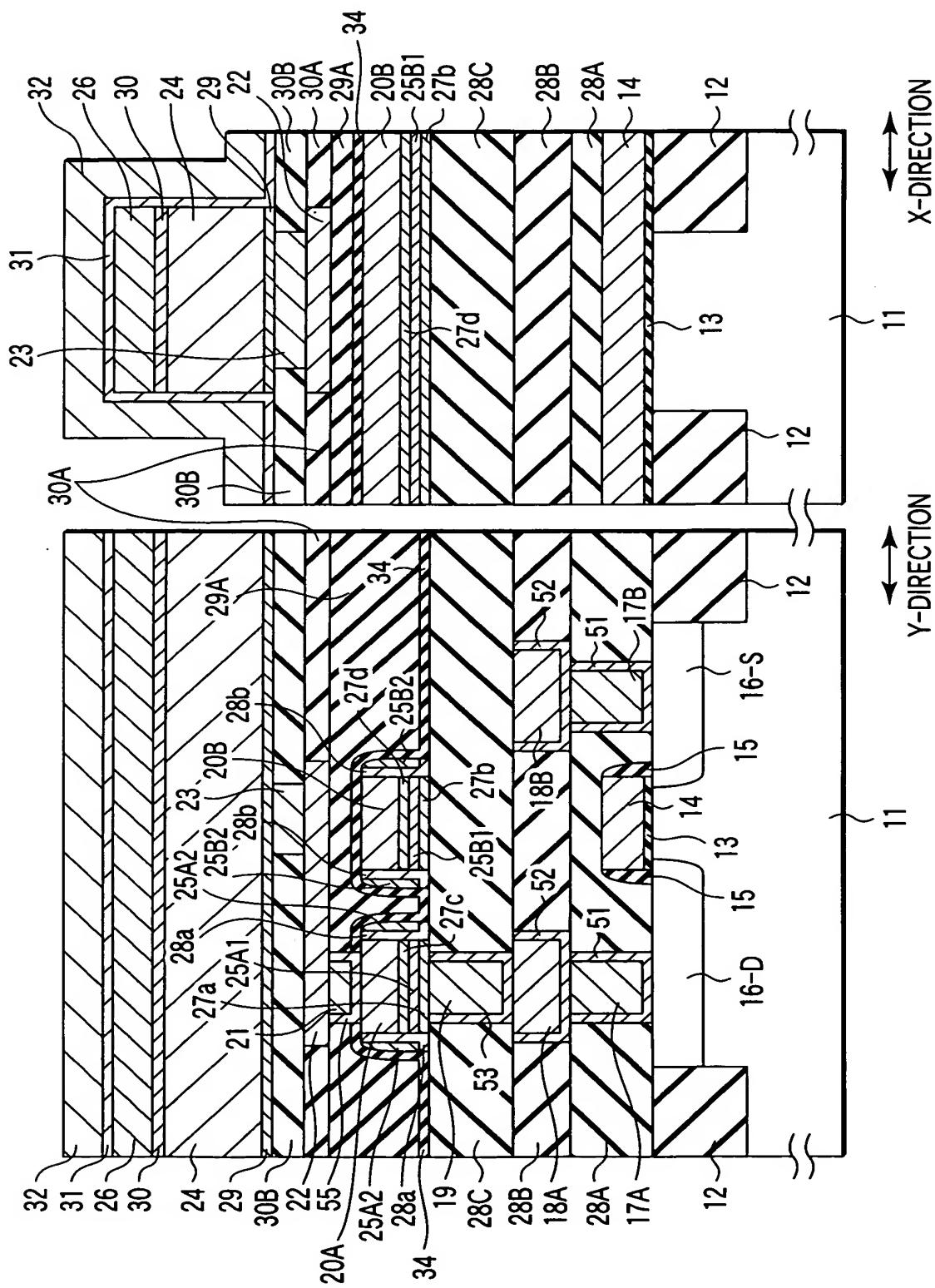


FIG. 24

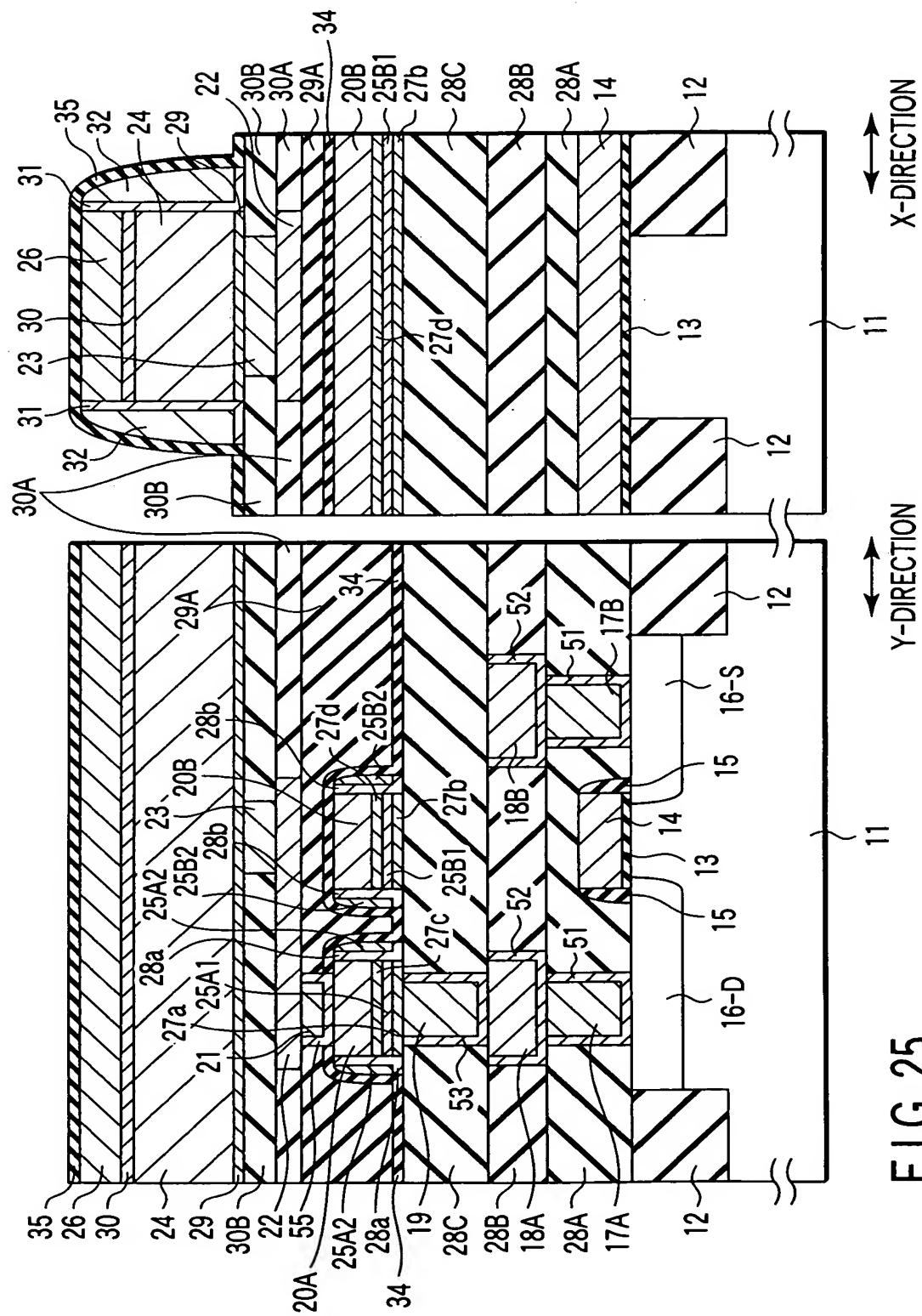
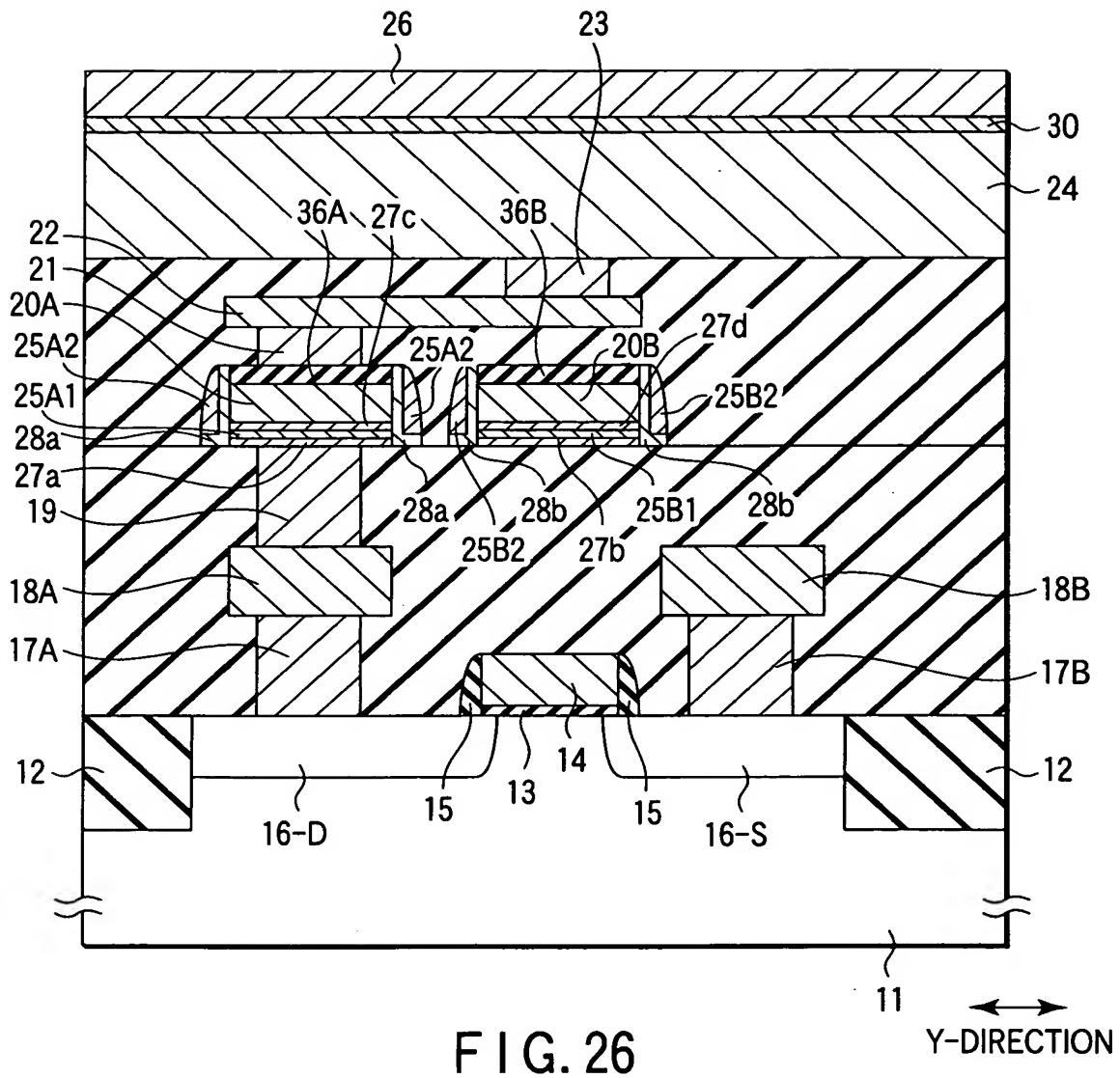


FIG. 25



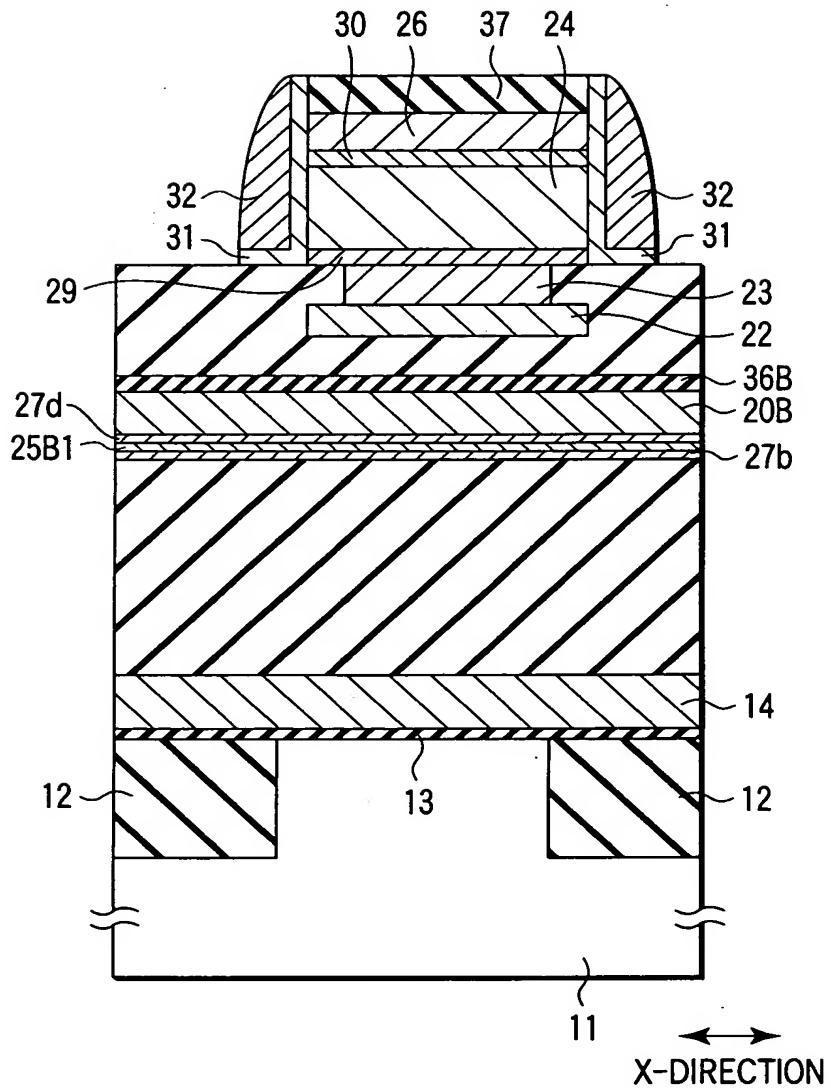
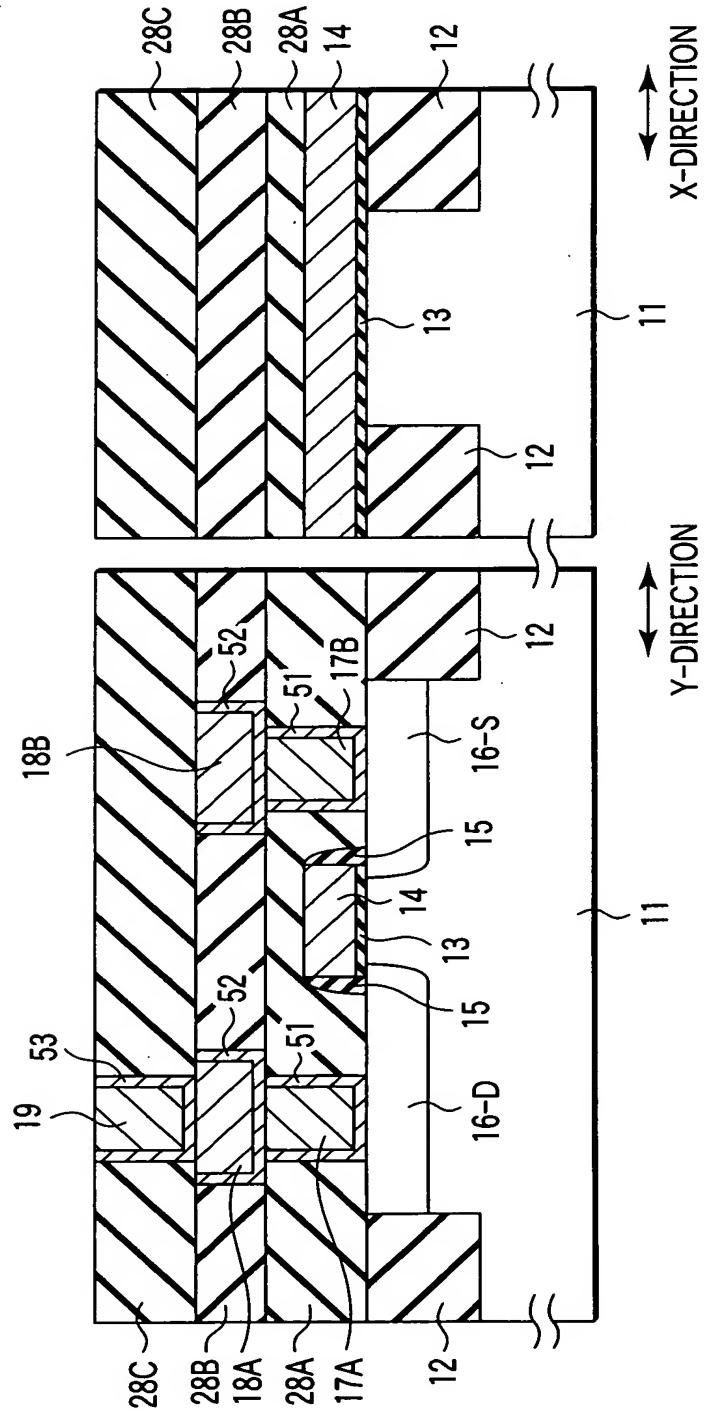


FIG. 27



F | G. 28

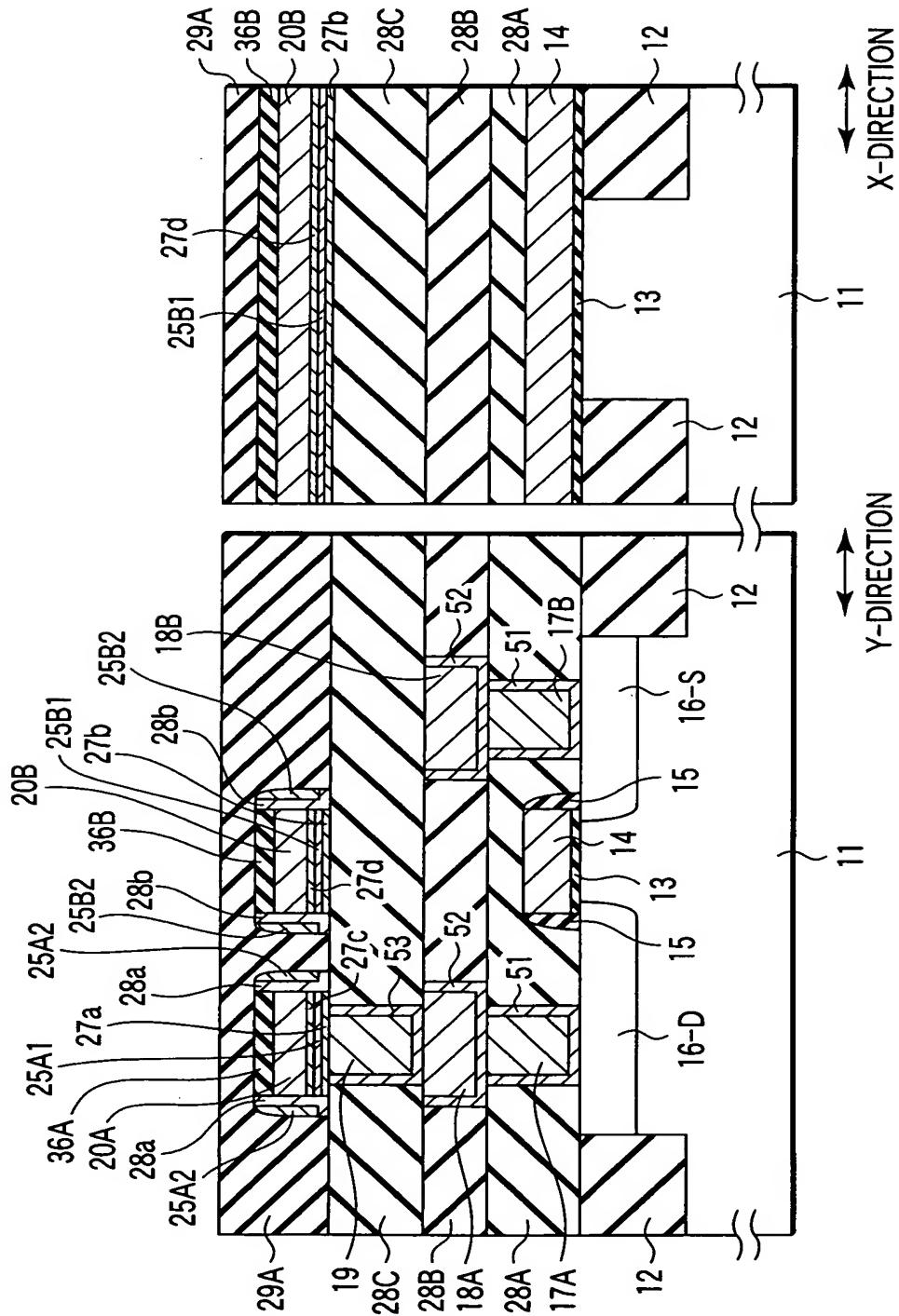


FIG. 29

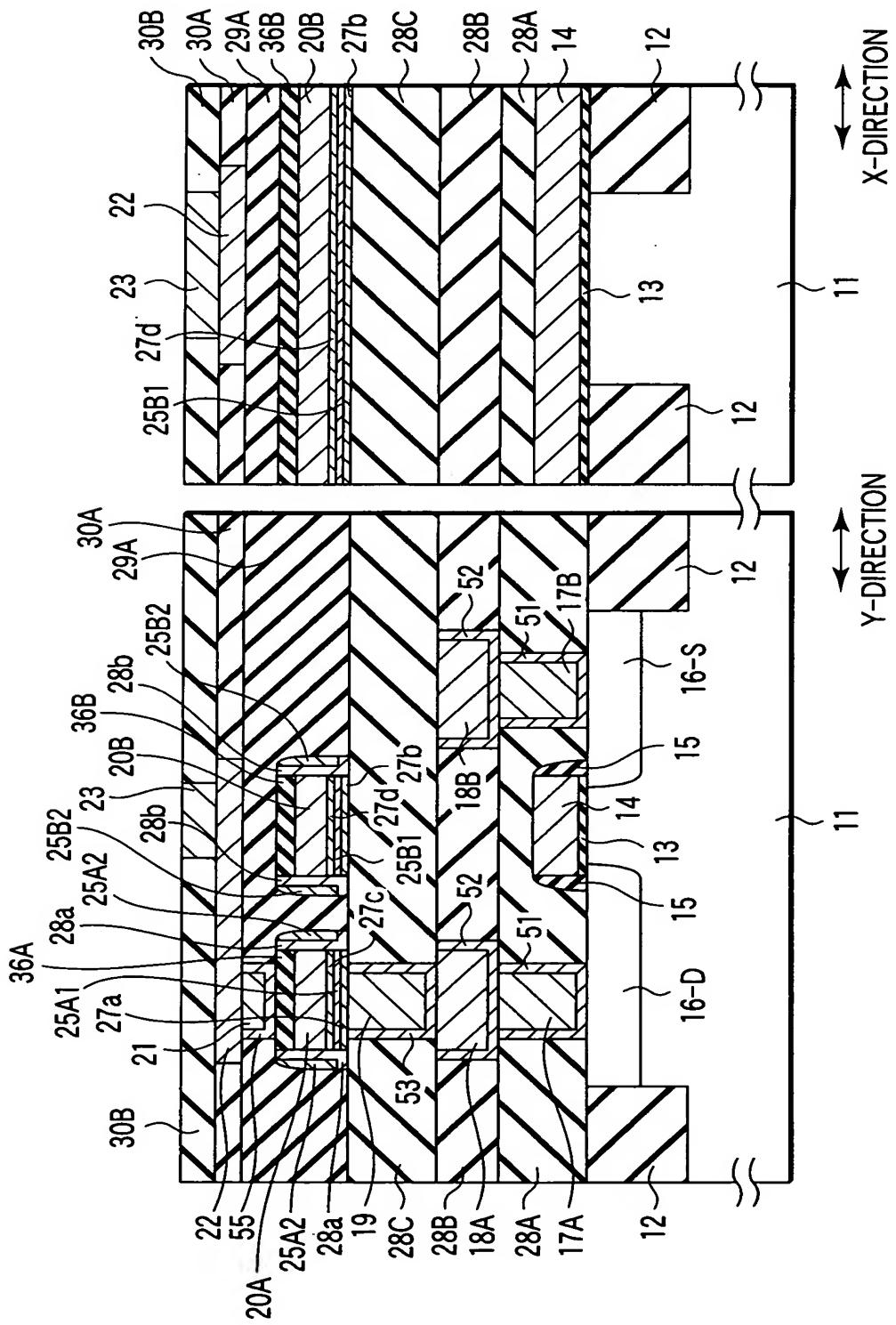


FIG. 30

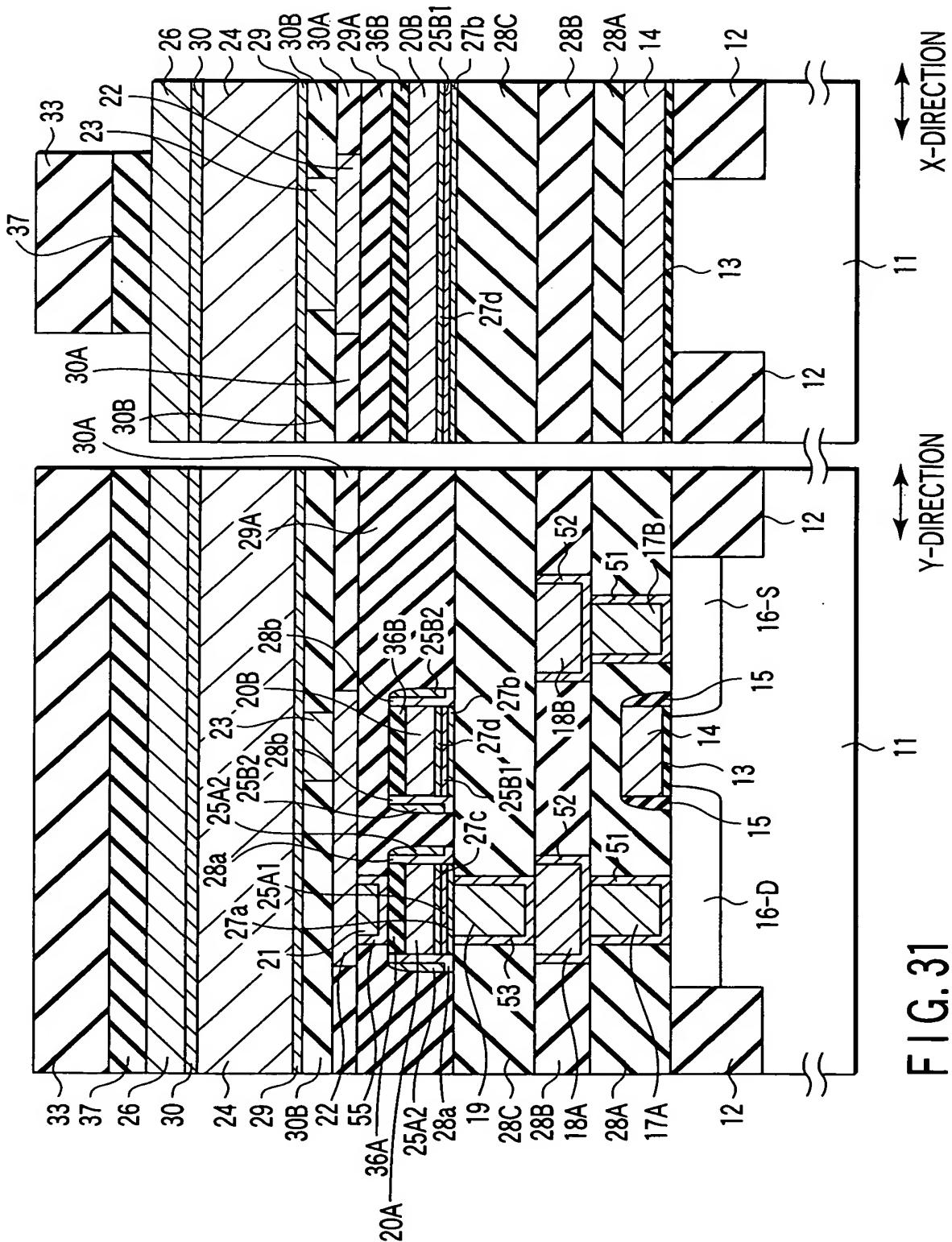
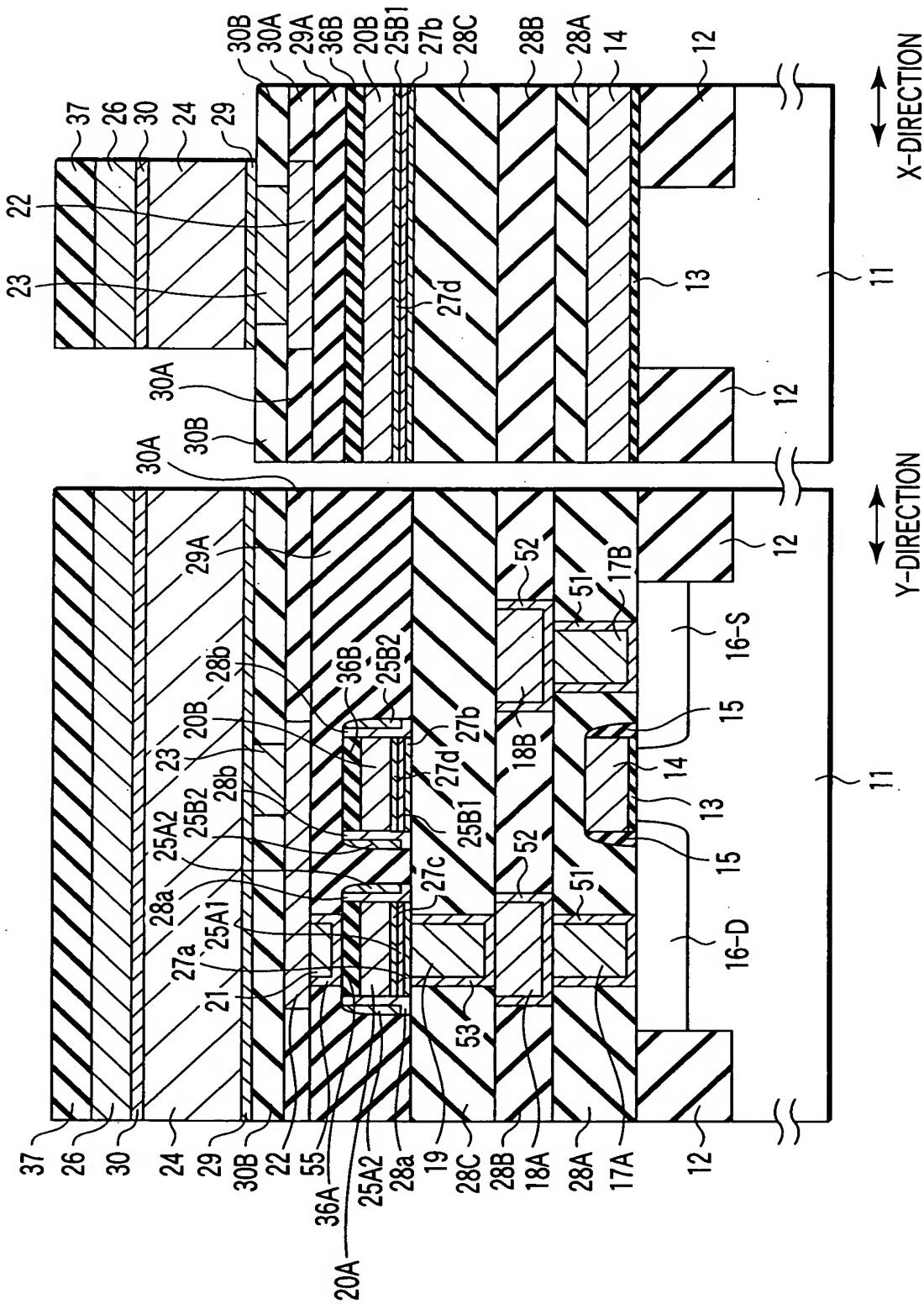


FIG. 31



F | G. 32

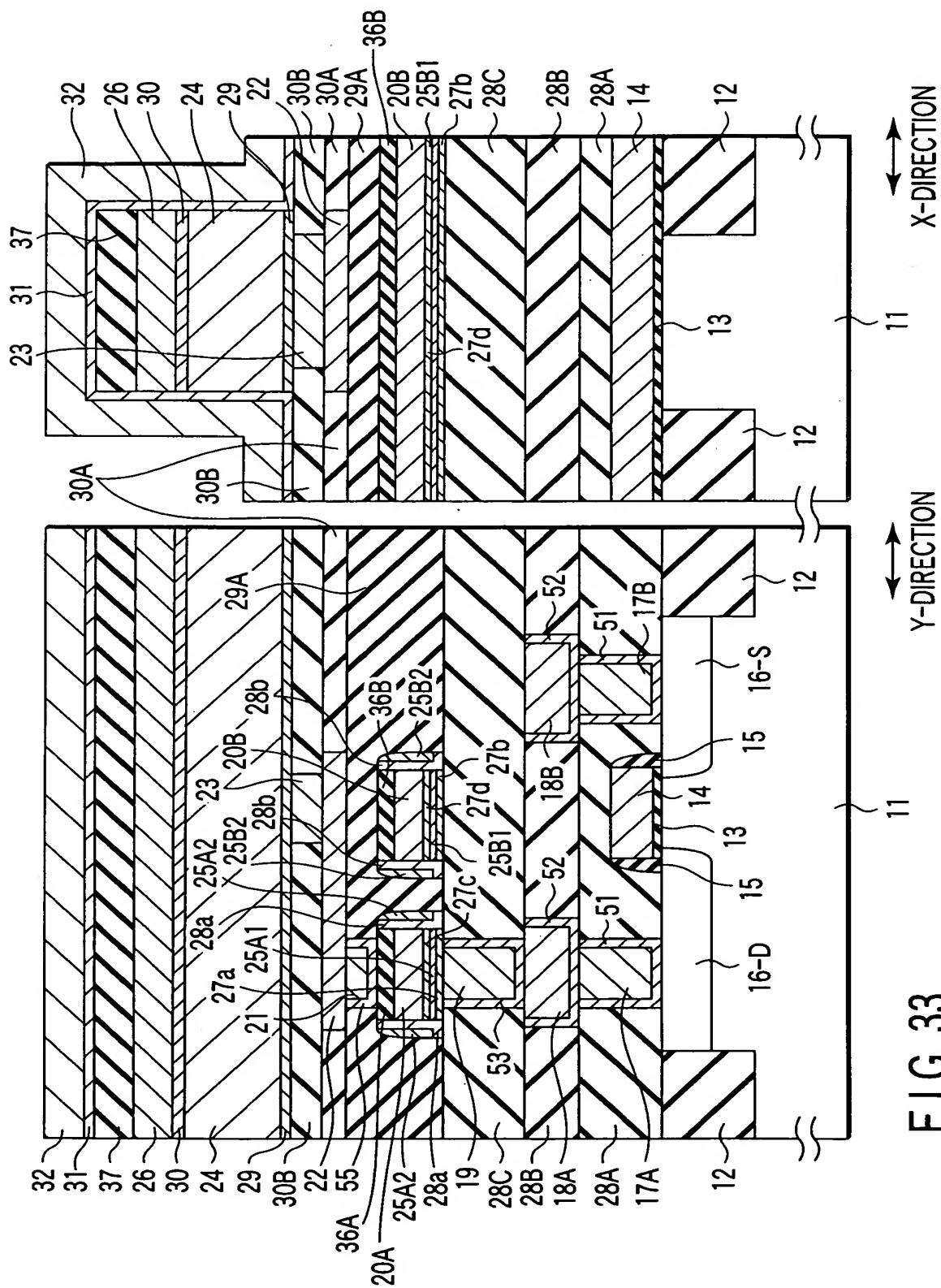


FIG. 33

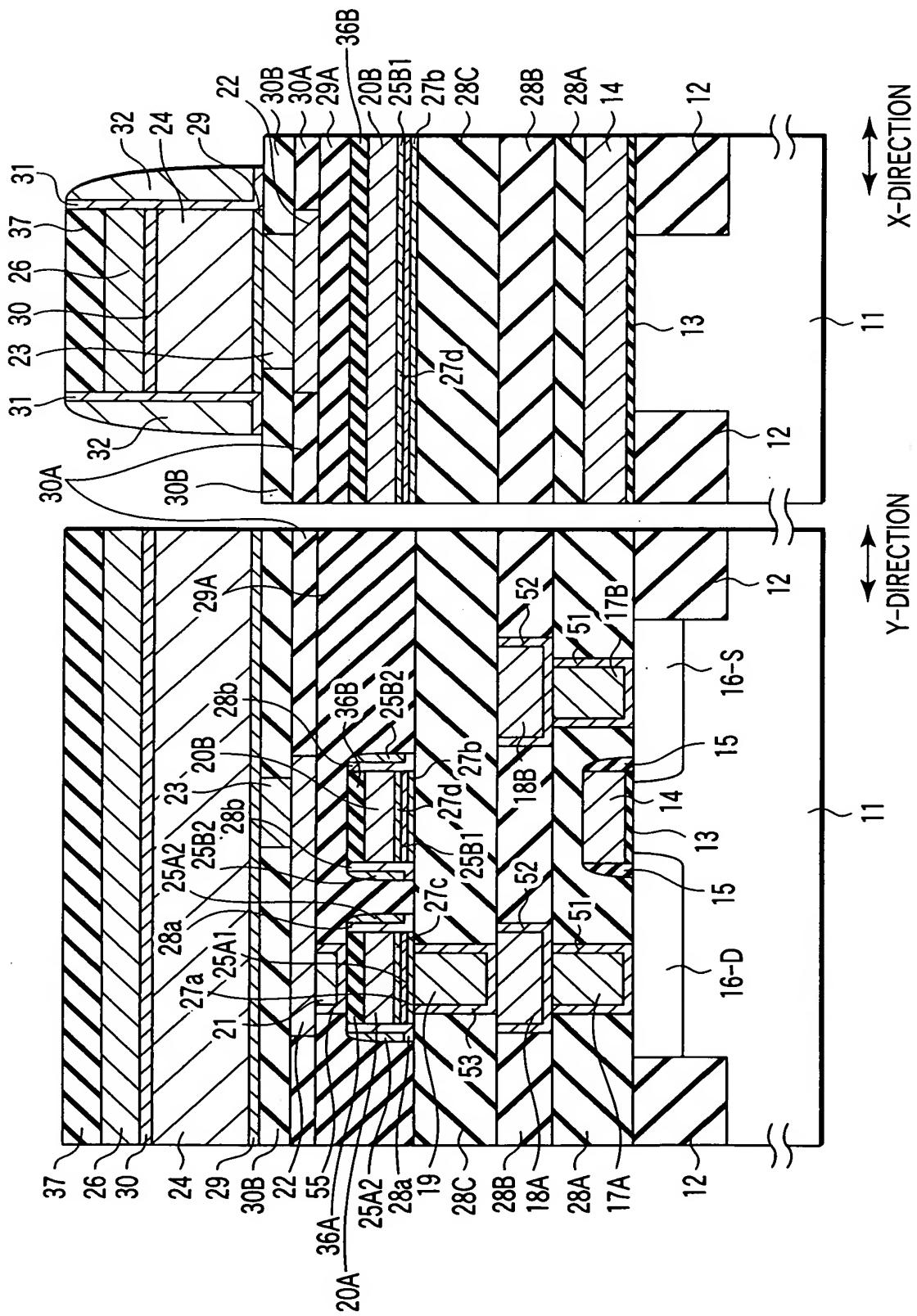


FIG. 34

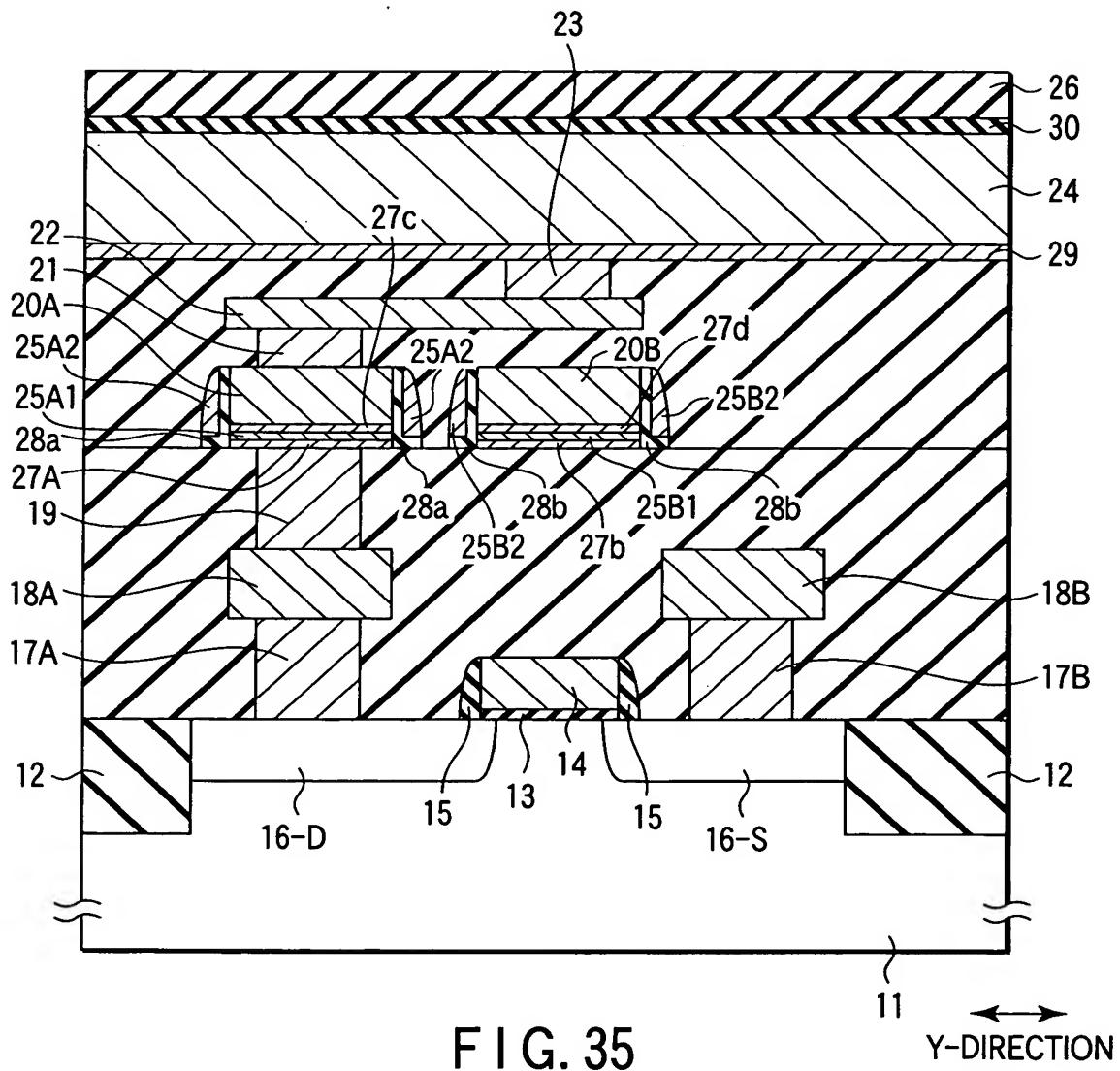
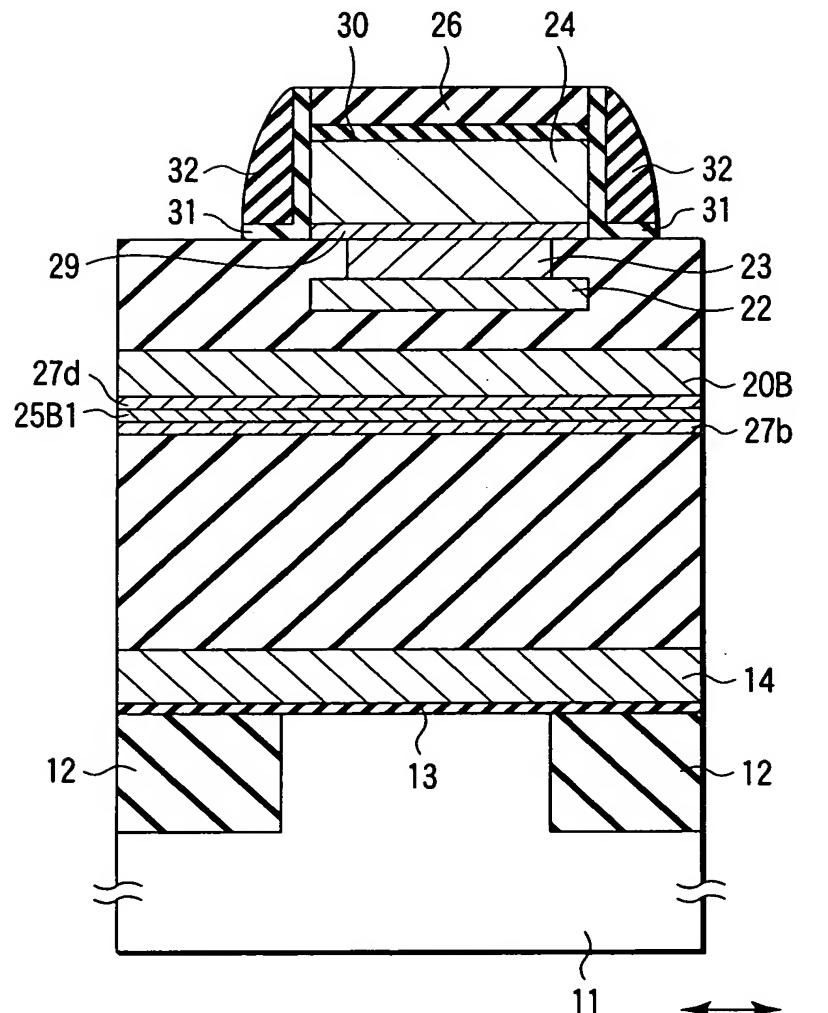


FIG. 35



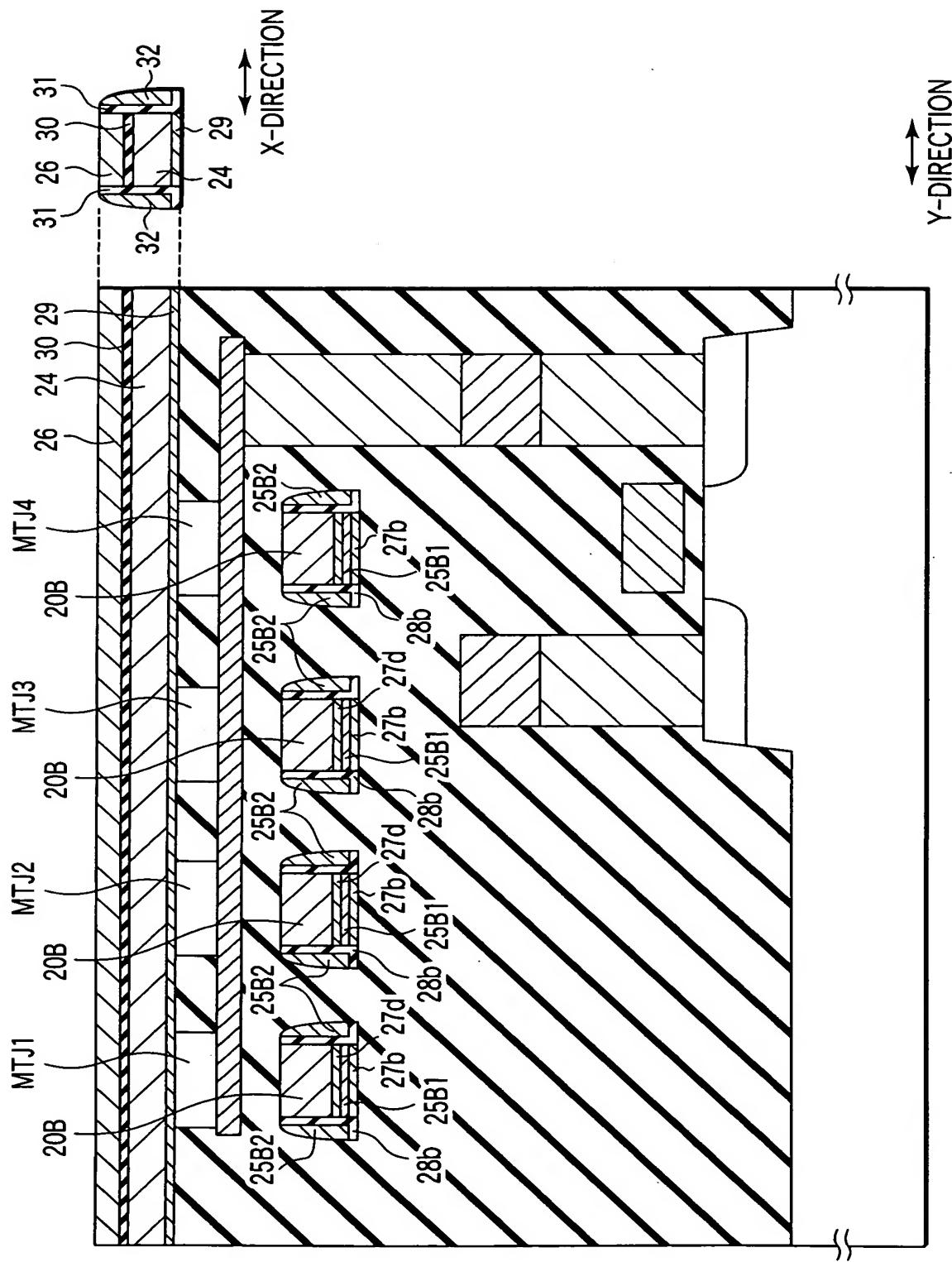


FIG. 37

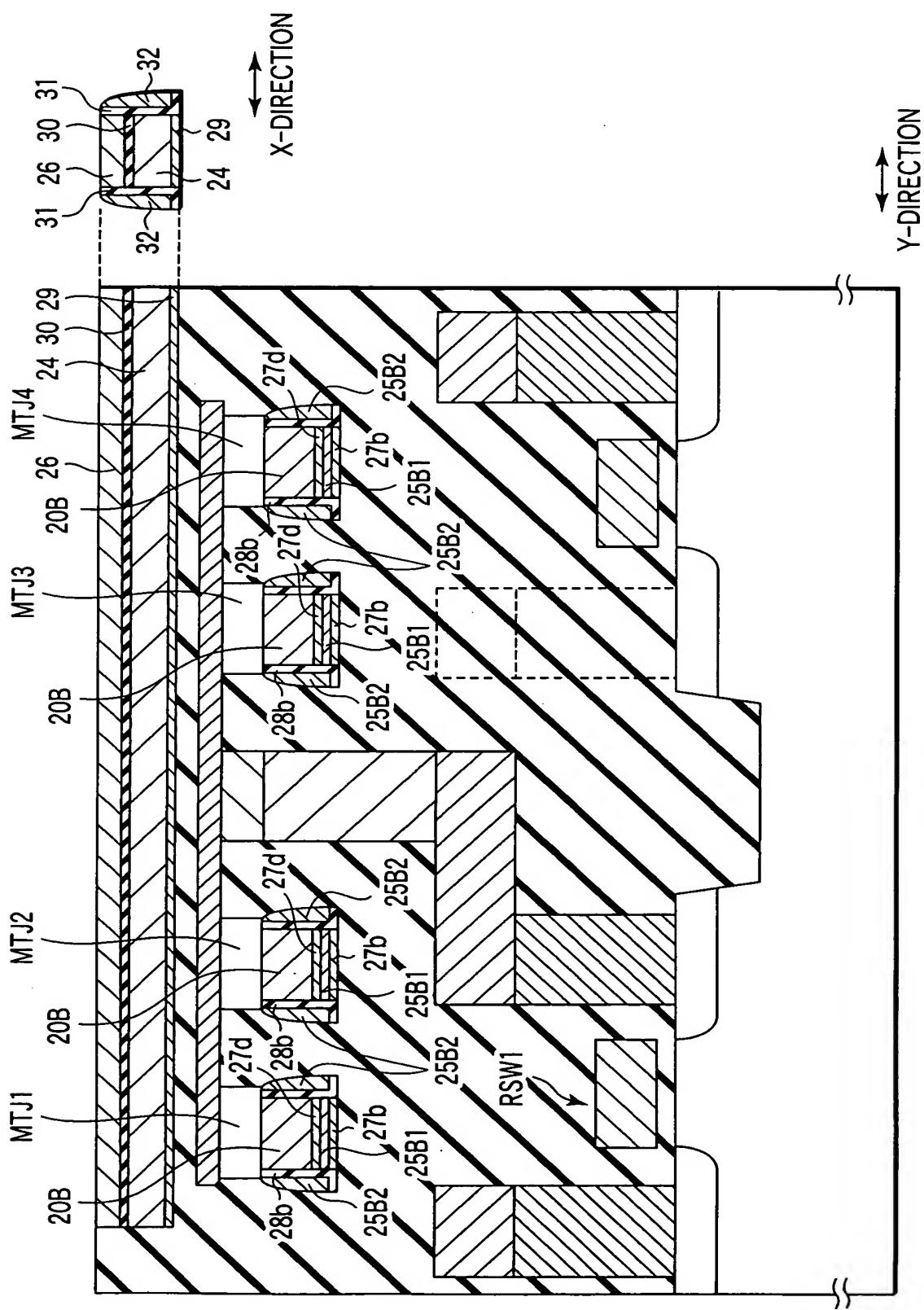


FIG. 38

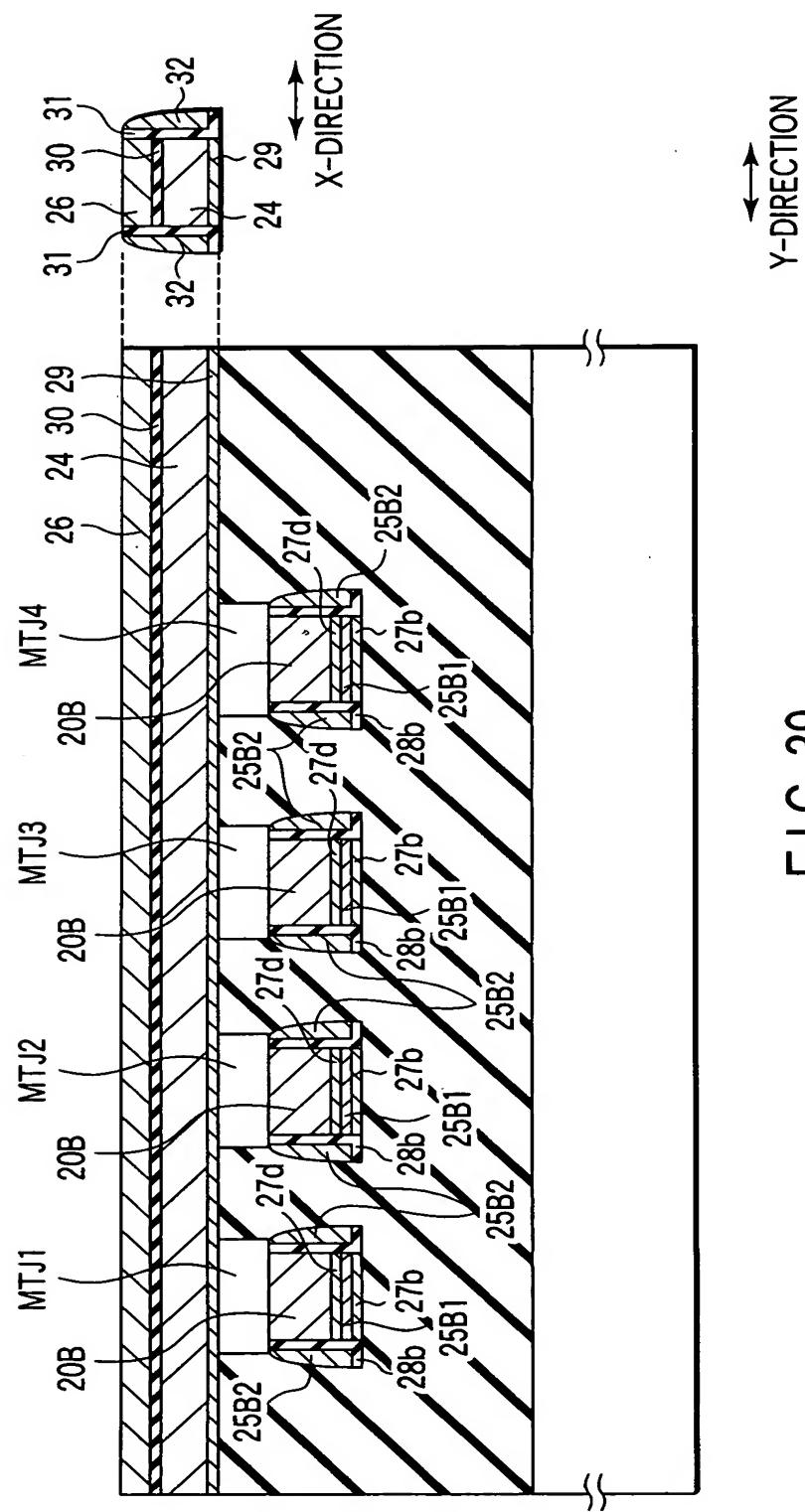


FIG. 39